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JANUARY 10, 1931.

Vol. CXIV.



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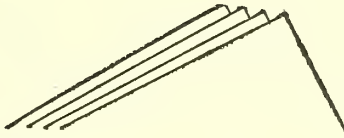
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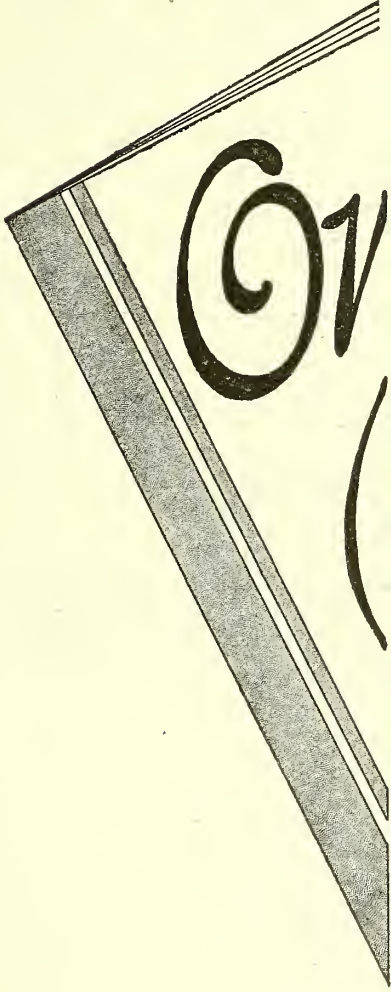




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They will read others too, very soon.  
They will want supplies of Kay's.  
Have you replenished your stock?  
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Kay's will keep on making money  
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KAY BROTHERS LTD., STOCKPORT

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your  
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and grandfather discovered. They always used  
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to banish. No, you can't have another spoonful.  
Why you look warmer and better already!"

**KAY'S** for coughs  
COMPOUND ESSENCE OF LINSEED  
"A proved remedy for Adults & Children"—Established 70 years  
From all chemists, 1/3, 3/- to 5/- per bottle



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# CLOSED

# to your travellers?



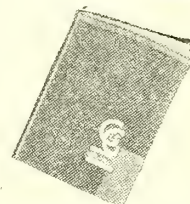
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This Brochure describing  
the G & G Service, will  
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heading.

12 Gordon and Gotch Houses and 10 Associate Houses throughout the Empire



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In consequence of the recent amalgamation of Messrs. Morgan Brothers (Publishers), Ltd., Proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," with The Engineer, Ltd., Proprietors of "THE ENGINEER," the offices of the three journals have been moved to new and more commodious freehold premises, which have been acquired at 28-31 Essex St., Strand, W.C.2.

The lease of the entire premises at 42 Cannon Street, of which the four well-lighted upper floors have been in the occupation of Morgan Brothers (Publishers), Ltd., the Ground Floor and Basement being sub-let to the Aerated Bread Co., Ltd., is in consequence for sale.

Alternatively, the four upper floors (which have also an entrance to Garlick Hill), having a total area of about 7,000 ft., would be let.

The premises are in good order. Rent £2,000 per annum, inclusive of rates.

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In consequence of the recent amalgamation of THE ENGINEER, LTD., proprietors of "THE ENGINEER," with MORGAN BROTHERS (PUBLISHERS), LTD., proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," the offices of the three journals have been transferred to new and more commodious freehold premises which have been acquired at 28-31 Essex Street, Strand, W.C.2.

The remainder of the lease, covering a further twenty-five years, of the offices at 33 Norfolk Street, W.C.2, is in consequence for sale. This particularly well-lighted, five-storey building has an area of 8,200 sq. ft., and occupies a site at the corner of Norfolk and Howard Streets, adjacent to the Temple Station, whence Westminster and the City may be reached in a few minutes. The building is of modern construction and has a fine and distinctive elevation. It is in good order throughout. Rent £1,600. Moderate price.

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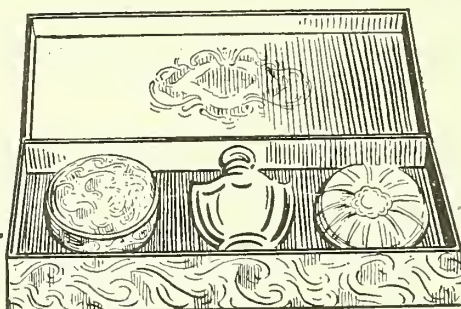
You, as a successful Pharmacist, ever on the look-out for increased business, will recognise in "Penetrol" a product which for quick sales is hard to beat. The Big National Advertising Campaign now running on its behalf is increasing the already large demand, and more and more profitable customers are being directed to YOU and to you alone. So let the public SEE that YOU stock "Penetrol" and you will make more money. All the showmatter illustrated above is sent with every order.

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BOXES  
*ARE*  
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Your enquiries will be appreciated and welcomed with the spirit and desire to serve.

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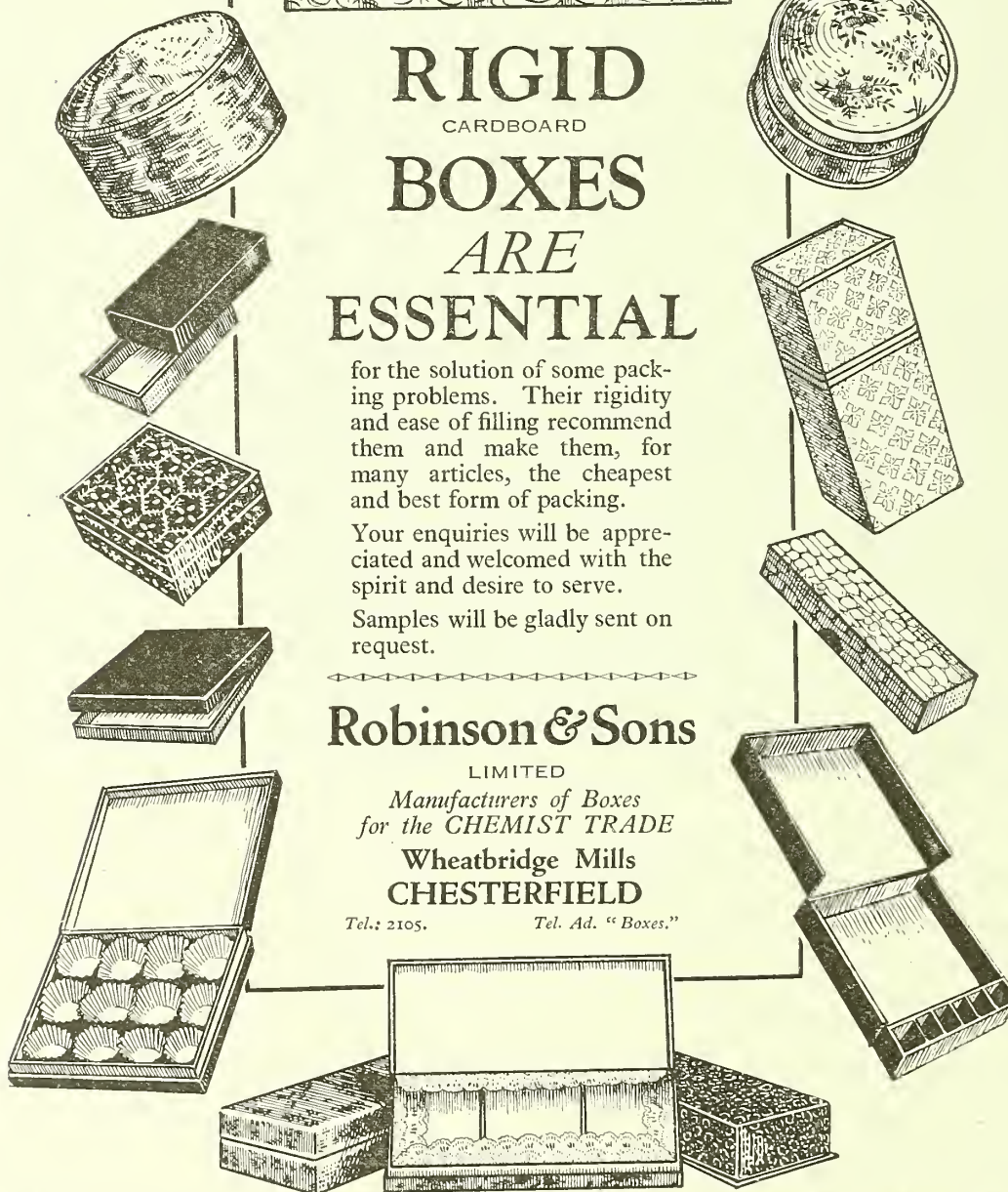
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CHESTERFIELD

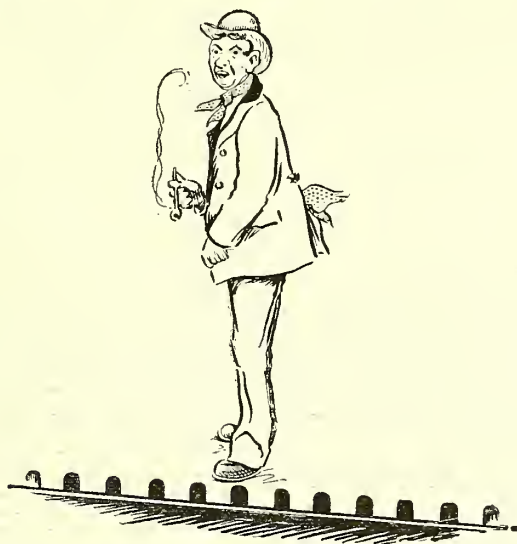
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ROBINSONS *of* CHESTERFIELD *for* CARDBOARD BOXES

# Maw's Page



## It ain't exactly what 'e says—

Some of us can remember the coster comedians of the 'nineties—the corduroys, pearlies, and broad dialect, the catch in the voice and the half confidential last line of the chorus: "It ain't exactly wot 'e says, it's just the way 'e says it."

There is a fundamental truth about the phrase, which carried over the footlights and into the hearts of the audience. One was reminded that people did say the same thing in different ways and thus betrayed different feelings. After all, it wasn't so much what people said, but what they thought that mattered.

Nowadays, we want reminding. We miss our philosophic comedians. We forget too often

that there are people and, also, business houses, who say one thing and mean another.

There was another song, "Actions speak louder than words," which we should also remember. Words may mislead, but actions are a sure index of the intentions.

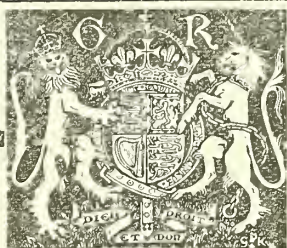
In this House we endeavour to live up to the sentiment of both these old songs. We try not only to say, but to do exactly what we feel. Our general policy is evidence of the truth of this statement. We claim a close connection with pharmacy and we profess loyalty to the craft. These are words! We support them by deeds. We restrict all products bearing the name "Maw" to chemists and refuse to supply other traders.

*Buy at Maw's for your own interests and the interests of pharmacy.*

**S. Maw, Son & Sons, Ltd.,**  
Aldersgate St., London,  
and Barnet.







LONDON, OLYMPIA & WHITE CITY  
BIRMINGHAM, CASTLE BROMWICH

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THE

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Every aspect of the British Cotton Textile Industry, from the raw material to the finished fabric, will be represented at the White City, London, in the

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of the Fair,

organised by the British Cotton Industry under the auspices of His Majesty's Government.

The most comprehensive assortment of Artificial Silk fabrics will be shown at the "Drapers' Organiser" EXHIBITION OF BRITISH ARTIFICIAL SILK GOODS,

Royal Albert Hall, London,  
FEBRUARY 16-21, 1931,  
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BRITISH INDUSTRIES FAIR.

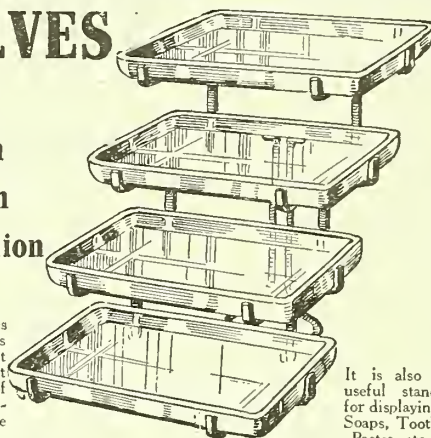
Full particulars and invitation cards to both exhibitions from:  
THE GENERAL MANAGER, DRURY HOUSE, RUSSELL STREET,  
LONDON, W.C.2.

C.F.H.

## SOLVES

the  
Tooth  
Brush  
Question

Tooth Brushes have always been a difficult line to serve, but with the aid of this stand customers can serve themselves.



It is also a useful stand for displaying Soaps, Tooth Pastes, etc.

No. C.S.F. 2851—Very attractive COUNTER DISPLAY STAND. Constructed of mild steel finished silver colour and complete with four clear glass trays, size 11½ x 7 x 1 in. Each tray is slightly sloped, rendering the goods easy to see and to select from. The overall height is 15½ in., width 12 in., back to front 15 in.

22/6 each complete

Send for a copy of our new illustrated 48 page list No. CD 1180 free on request.

DUDLEY & COMPANY, LTD.

451 HOLLOWAY ROAD, LONDON, N.7

City Showrooms: 65-66 Fove Street, E.C.



## Personal Scales

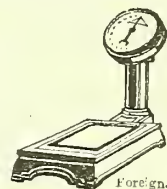
Why not a District Sub-Agency for these reliable Weighing Machines?

Various territories outside London are available, and reliable dealers are invited to write for terms.

"Secca" Scales are backed by a reputation for reliability extending over a period of 100 years.

All types are available, retail prices ranging from 25/- to 115/-.

Sole Agents for Great Britain:



Foreign.

LIONEL STUART & CO., LTD. (DEPT. C.D.),  
61 GREAT PORTLAND STREET, LONDON, W.1

C.A. Co. Ltd.

## Pay more for "MIRROR" Blades -



they're  
worth it

## The New Watts "Mirror" Blades

These wonderful Blades with their Rustless Reinforced Edges of Stainless Steel treated by a secret process are worth the extra cost. They are keener and give more and better shaves than any others on the market. The Edges are absolutely rustless in any climate.

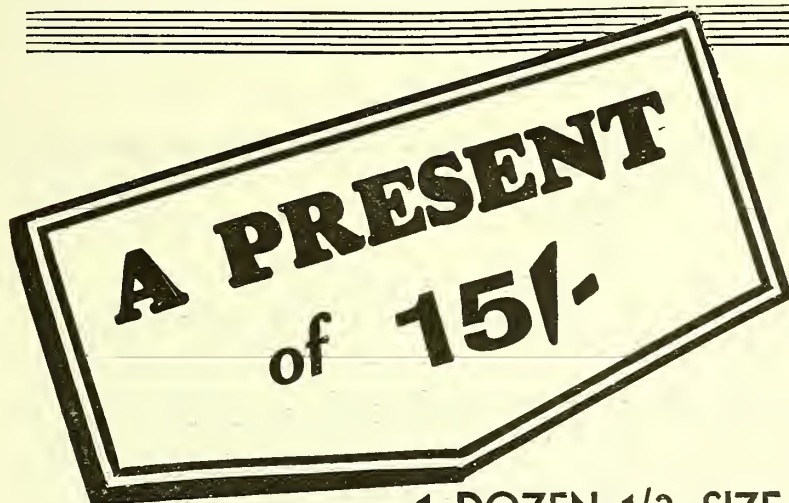
Watts Mirror Blades  
Packed in Patent Spring Lid  
Nickelled Containers of  
10 for 5/-

Also Packed in cartons of  
5 for 2/6

Giving the Retailer 66 2/3%  
PROFIT on cost.

JOHN WATTS (Sheffield & London) Limited  
Lambert Works, SHEFFIELD. Established over 150 years.  
London: 18 Soho Square, W.1



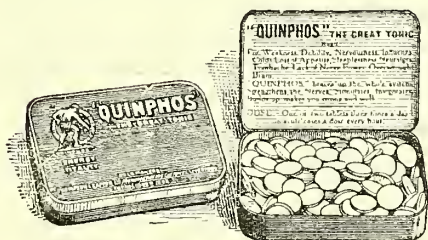


**GREAT  
BONUS  
OFFER**

1 DOZEN 1/3 SIZE

**"QUINPHOS"**

FREE WITH A £3 ORDER



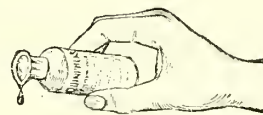
	COST	SELLS FOR
2 doz. 1/3 "Quinphos" Liquid @ 11/6	1 3 0	1 10 0
1 „ 1/3 "Quinphos" Tablets @ 11/6	11 6	15 0
1/2 „ 3/- "Quinphos" Liquid @ 27/6	13 9	18 0
1/2 „ 3/- "Quinphos" Tablets @ 27/6	13 9	18 0
	3 2 0	Bonus 15 0
5 % 1 month	3 1	
Total cost	<u>£2 18 11</u>	Sells for <u>£4 16 0</u>

Profit of £1 17 1 on an  
outlay of £2 18 11

62.9% Profit on Cost    38.6% Profit on Selling Price

**A FINE SCREEN, GIANT DUMMIES and  
SHOWCARDS for a first-class and  
extremely attractive window show.**

PLEASE NOTE: The terms offered above show  
a much better gross profit than a Chemist gets on  
the whole of his business.



**THOMPSON & CAPPER WHOLESALE LTD.**  
MANESTY BUILDINGS, COLLEGE LANE, LIVERPOOL



## A Flappy New Year

to all our customers, new and old, and to their families and staffs. That 1931 may bring them all joy and prosperity is the sincere wish of

**SUTTLEY & SILVERLOCK, LTD.**

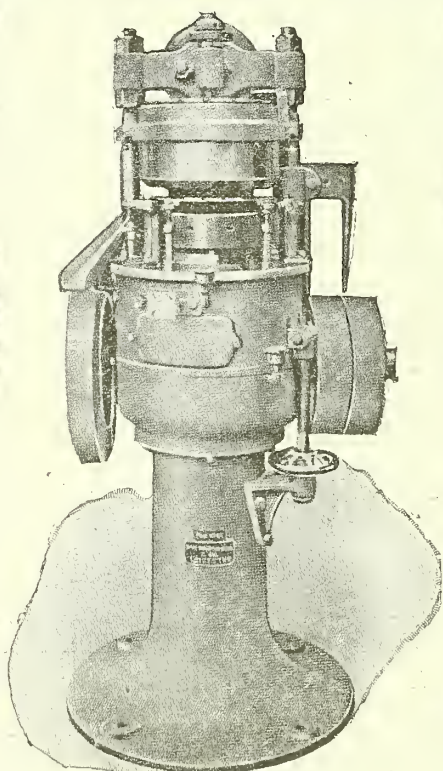
*and their representatives.*

Start the New Year well by resolving to use only the Best Labels.

*The Best Place to get the Best is*

**92, Blackfriars Road, LONDON, S.E.1**

Phone: HOP 3474



**S. W. WILKINSON & CO.**  
WESTERN ROAD, LEICESTER.

### Rotary Tablet Machines

*These Machines are now made in 4 sizes :*

- 12-Punch Ordinary for Tablets from  $\frac{3}{8}$ " to  $\frac{7}{8}$ " diameter.  
Output 400 per min.
- 20-Punch Ordinary for Tablets from  $\frac{1}{4}$ " to  $\frac{1}{2}$ " diameter.  
Output 700 per min.
- 12-Punch Heavy for thick Tablets and Blocks 1" diameter.  
Output 250 per min.
- 18-Punch Heavy for thick Tablets and Blocks 1" diameter.  
Output 400 per min.

*LISTS ON APPLICATION.*

**Single Punch Machines made in 5 sizes  
for Tablets from  $\frac{1}{8}$ " to  $1\frac{1}{2}$ " diameter,  
also Lozenges.**

**MACHINES FOR BATH SALT  
TABLETS**



# P.K.L.

## PAIN KILLING LINIMENT

A non-rubbing liniment of great popularity, with a reasonable profit to the seller. Supported by the finest display material in the craft.

*Cut out  
Showcards  
and  
Window  
Displays  
are a feature  
of P.K.L. Display*

P.K.L. has a world-wide sale, and enjoys a remarkable personal recommendation, for the treatment of all muscular and nerve pains.

**NEEDS NO  
RUBBING**

Retail 1/6

Trade per doz. 12/-

Bonus of 6 bottles with all orders for 6 dozen.

YOUR MONEY BACK IF-  
**P.K.L.** (PAIN-KILLING LINIMENT)  
FAILS TO GIVE SATISFACTION! 1/6 Per Bottle

Wipe them out!

QUIETLY AND QUICKLY CURES

RHEUMATISM  
LUMBAGO  
SCIATICA  
GOUT

Not a "pain" left!

**P.K.L.**  
PAIN KILLING LINIMENT  
MADE IN  
AYRTON SAUNDERS & CO LIMITED LIVERPOOL

This cut-out display is printed in 9 colours and measures 25 ins. x 21 ins.



## AUROLAL COLD WATER DYES

are supplied in the following colours: Black, Brown, Beige, Fawn, Lavender, Jade Green, Rose, Emerald, Apricot, Pale Blue, Mastic, Silver Grey, Mauve, Shell Pink, Apple (Almond) Green, Peach, Eau-de-Nil, Cherry, Lemon, Cream, Brick, Navy Blue, Golden Brown, Mulberry, Flame, Dark Green, Kingfisher Blue, Flesh, Old Rose, Saxe Blue, Heliotrope, Champagne and Primrose. Packed in Hinged Display Boxes containing 1 doz. A Handsome Cabinet, in 10 Colours, is presented with a Gross Order. Price 4/- per doz., less 5 per cent. for cash in 7 days. Carr. paid. Retail P.A.T.A. 53, per packet.



## EXPORT

Export Houses and Overseas Buyers should write for **EXPORT** Catalogue containing very Special Export Prices and Terms

## WINNER STOCKING DYES

are packed in Tubes and Cartons, of which one gross are contained in a most attractive Display Outer.

The range comprises the 12 latest shades: Gun-metal, Sun-tan, Nude, New Brown, Beige, Bulrush, Cocoa, Florence Mills, Copper Beech, Rose Glow, Dago, Smoke Grey.

Price 24/- per gross, less 5 per cent. for Cash in 7 days.

Retail at 3d. per tube.

There is already a very Big Demand for this new Whitaker line.

Place your order NOW!

**WHITAKER & CO. (Kendal) LTD., Dye Specialists for Chemists, KENDAL, ENGLAND**

## WESTMINSTER COLLEGE OF PHARMACY

190 Clapham Road, London, S.W. 9.

Founder:

Principal:

G. S. V. WILLS, Ph.C. P. H. WOODNOTH, Ph.C., F.C.S.

Three months' Revision Course for Preliminary Scientific Examination commenced January 7, 1931.

Preliminary Instruction by Post is available for all Students who propose to attend the Day Classes.

Full details and prospectus may be obtained from The Secretary

## LONDON COLLEGE OF PHARMACY

(Founded by H. Wootton, B.Sc.) C. W. Gosling, Ph.C.

Principal: IRVINE G. RANKIN, B.Sc., Ph.C.

**SPECIALISTS IN TRAINING PHARMACISTS.**

**A NEW 6 MONTHS PRELIM. SCIENTIFIC Course commenced JAN. 7.**

**REVISION COURSES for P.S. and C. & D. EVENING CLASSES, Tues., Wed., Thurs. 1 Year and 2 Year PART-TIME COURSES**

*Courses of Preparatory Study before coming to College.*

**COLLEGE RE-OPENED JAN. 7.**

*Apply—The Principal, 361 Clapham Road, S.W.9.*

## THE SOUTH OF ENGLAND COLLEGE OF PHARMACY

186 Clapham Road, LONDON, S.W.9

Principal—H. LUCAS, Ph.C., F.C.S.

assisted by a fully qualified and efficient staff.

**NEW COURSES** for Part I and Part II started on October 8th. **Fees 20 and 30 guineas respectively.**

**"ONCE A WEEK" Classes**—These classes are held for Parts I and II, each **Wednesday afternoon and evening, 2—5 p.m. and 6.30—9 p.m.**, for Students in and around London. They commenced on October 15th. **Fees from one guinea per term.**

For all particulars apply **THE PRINCIPAL.**

**MANY SUCCESSES IN THE EXAMINATIONS**

Your Opportunity to

## QUALIFY IN OPTICS

**PRACTICAL WORK.** Students taking the course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

*Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).*

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**G. A. SCURR, M.P.S. F.S.M.C. F.B.O.A. F.N.A.O. B.Sc. F.I.O. F.C.O. 50 HIGH STREET, BARNET, LONDON, N.**  
S.A. Representative: E. E. G. WOOLLEY, F.S.M.C., M.P.S., P.O. Box 1769 Darbau.  
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THE RESULTS AT BOTH THE S.M.C. AND B.O.A. November Examinations are simply wonderful. Four pharmacists' sons completed the Fellowship examinations (whilst under 21) at the first attempt. Miss N. Gough passed the full F.S.M.C. at the first attempt.

100% again at the Supplemental examinations.

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## British Optical Institute, Ltd.

(COLLEGE OF OPTICS)

**COMPLETE TRAINING for the SIGHT-TESTING OPTICIAN**

Full-time and Part-time Courses, Clinical Classes, &c., under the personal direction of the Principal, assisted by Mr. Geo. Colebrook, F.B.O.A. (Hons.), F.S.M.C. (Master's Prizeman), and Mr. E. W. Woodruff, B.Sc., F.B.O.A. (Hons.).

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*For full particulars apply to the Principal:*

**Dr. MAX COQUE, B.Sc.**

**Fern Lodge, 20a Grove Road, Brixton Road, S.W.9**

*Telephone: Reliance 3677.*





## SHOWCARDS for "EMULSION" PASTILLES

FEW pharmaceutical products are more satisfactory to handle than really good Pastilles—"EMULSION" Pastilles. Everybody will be needing them during the next few months and a timely reminder that you are ready to meet the demand will thus prove well worth while. You will find the above showcards very useful. The more you show them the more Pastilles you will sell.

The cards measure about 15"×8" and are printed in green, black and red. Please mention "Panel Showcards" on your order.

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents  
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO. LTD.  
BARDSLEY VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1797.

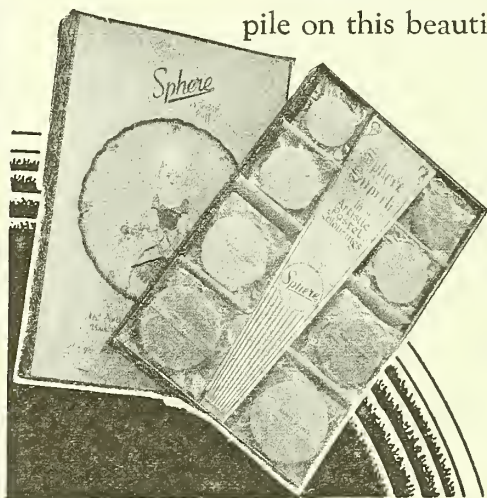
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B B



# SPHERE SUPERB POWDER PUFF



A new Puff made of Sylkie-down Velour. The pile on this beautiful puff is produced in such a way as to retain just sufficient powder to enable the user to apply it smoothly and evenly, without streaks, as is the case with coarser materials.

Supplied in assorted colours and sizes.

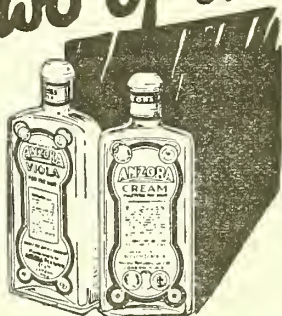
**ATTRACTIVE DISPLAY BOX.**

**No. PF50** as illustrated, 2 doz.  
in a box ... **6/6** per box.

Assorted Six Puffs each 2", 2½", 2¾",  
and 3¼" to the box.

Wholesale only :  
**FAIRE BROS. & Co., Ltd., Leicester.**

## Two of the Best!



.. for  
steady  
sales.

### TRADE TERMS

12/- doz.  
Retail at 18/-  
20/- doz.  
Retail at 30/-

### SHOWCARDS & CUTOUTS

A supply of attractive  
Showcards and Cut-  
outs for Window  
Display sent post free.

**ANZORA PERFUMERY  
CO. LTD.,**

London, N.W.6.

Men who use Anzora  
never change — they  
know it to be the  
finest hair fixative. That is  
why Anzora Cream and  
Anzora Viola are in constant  
demand. Never "run out"  
of Anzora—you'll lose sales  
if you do! All reputable  
wholesalers stock Anzora,  
but if you have any difficulty  
write direct.

**ANZORA**  
MASTERS THE HAIR

## For 137 years

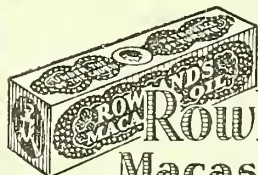
Rowland's Macassar Oil has been a  
favourite dressing for the hair. It keeps  
the hair healthy, and prevents the encroach-  
ment of greyness and baldness.

Of all Wholesalers.

RETAIL

3/6, 7/- & 10/6

P.A.T.A.



**Rowland's  
Macassar Oil**

Red for  
dark hair  
Golden  
for fair or  
grey hair

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

## HELLO! EVERYBODY!



Old Man Wanie  
speaking—just done  
10 days' work, and  
still 'keen' for more!

**Sell WANIE**

**THE BLADE THAT LASTS.**

8/- per gross FREE SAMPLE ON REQUEST.

Dept. C.D., WANIE DISTRIBUTING CO.,

89 Aldgate High Street, E.C.3.

Irish Free State Agents  
Messrs. W. A. FREEDMAN & CO.,

21 Merchant's Quay, DUBLIN.



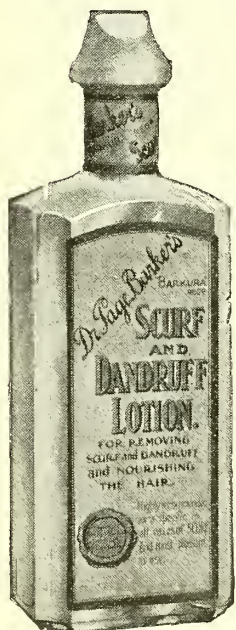
# Page-Barker's Gift to **YOU!** **30/-** Worth of Goods **FREE**

**A Bumper Offer during January & February only  
Definitely withdrawn on February 28th.**

**B**riefly the offer is: With every order for three dozen Page-Barker Scurf Lotion WE WILL GIVE YOU ONE DOZEN FREE (selling at 30/-). In addition, you get the usual bonus of three 2/6 bottles, and very smart showcards.

The easiest Selling Specific you can stock. Nothing sells so readily as Page-Barker. Why? Because it is not only for the commonest of all scalp troubles, but it is backed by the strongest selling argument in the world—an *absolute guarantee of satisfaction or money back without question*. Here is your chance—a wonderful chance—to start reaping Page-Barker profits at once.

Order To-day from: **THOS. CHRISTY & CO.**  
4-12 Old Swan Lane, London, E.C.



## What this Offer means to you

YOU PAY FOR	YOU SELL 51	YOUR PROFIT
36 BOTTLES	BOTTLES FOR	
£2-14-0	£6 - 7 - 6	£3-13-6

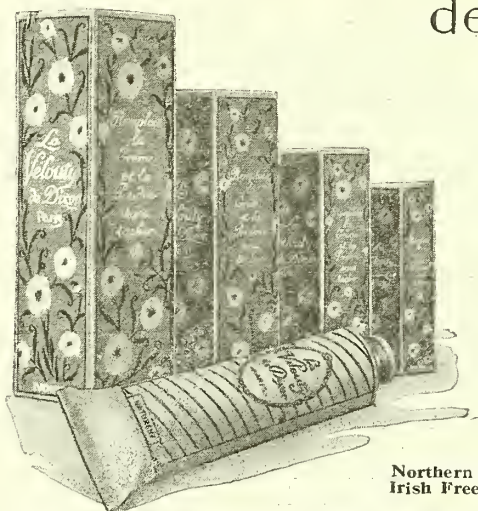
**Dr Page-Barker's**  
**SCURF & DANDRUFF**

**2/6**

The original combined Cream and Powder

la **VELOUTY**

de **DIXOR** Paris



*The advertised line that you are asked for.*

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES:—Full size pot -	21/- doz.	RETAIL 2/9
Super tube -	22/- "	3/-
Large tube -	14/- "	2/-
Medium tube -	7/- "	1/-
Handbag tube -	3/- "	6d.

*Made in four shades!*

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Sole British Agents:

**DEBACQ & HARROP,**

68 Newman Street, Oxford Street, London, W.1.

*Sole Distributors for*

Northern Ireland: **ROBERT MAYRS & CO.,** 43 Chichester Street, BELFAST  
Irish Free State: **MAY, ROBERTS & CO. LTD.,** Grand Canal Quay, DUBLIN

## ★ NUCTONE ★

**LONGER HAIR  
MEANS MORE HAIR  
RECOLOURATION**

With the new vogue for longer hair, hairdressers are finding an increased demand for hair recolouration. You must be finding this demand reflected in your business too. Make the most of it! Nuctone is the ideal tinting method for longer hair—it gives the hair back its normal colour, makes it more glossy and "alive," so that it takes kindly to the new hairdressing treatment. When a customer asks you for a safe, reliable hair recolouration method, always recommend Nuctone.

**NUCTONE** FOR GREY HAIR

**GRADUAL**—In four shades—  
Nuctone and Nuctone Concentré, Nuc-  
tone Eclairé and Eclairé Concentré.  
3/9 per bottle 32/- per dozen  
6/6 per bottle 52/- per dozen

*Order through your wholesaler, or from*

**J. C. GAMBLES & CO., LTD.**  
211 BLACKFRIARS RD., LONDON,  
S.E.1

**NOW IS THE TIME FOR  
ALL GOOD CHEMISTS**

TO WRITE FOR

**FREE SAMPLES**

AND

**1931 BONUS TERMS**

SHEFFIELD

**RAZOR**

**AMO**

STEEL

**BLADES**

Nationally  
Advertised

RETAIL  
9d.  
for 6

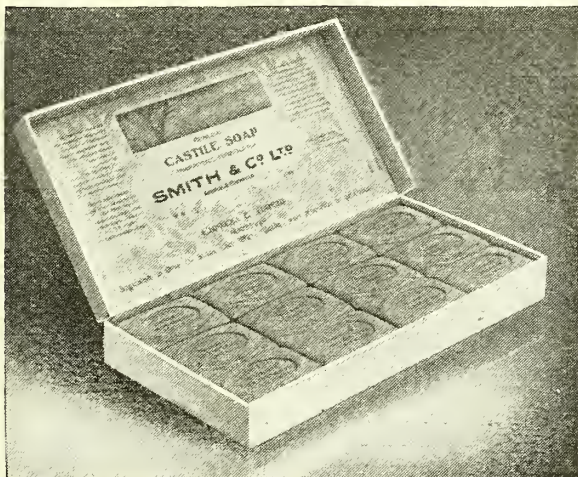


Small  
Outlay  
BIG  
PROFITS  
& SALES

WRITE NOW:—

**AMO SAFETY RAZOR BLADE Co., Ltd.** Broad St. House  
LONDON, E.C.2  
Telephone: Avenue 8846 'Grams: Uzecarnos, Ald, London





EXCEPTIONAL PROFIT AND REPEAT BUSINESS FOR YOU.

ALREADY STOCKED BY MANY LEADING PHARMACISTS.

CAN BE RECOMMENDED WITH CONFIDENCE.

*The Original Olive Oil*  
**CASTILLE SOAP**  
 manufactured by  
**CHIOZZA & TURCHI**  
**MILAN**

(Makers of Quality Soap since 1812)

Guaranteed to contain 80% Finest Olive Oil

Packed in following sizes and prices:

No. 3 (as illustrated)—3½ oz., unwrapped, slightly perfumed, in display boxes of 1 doz. Retail 6d. per tablet. 46/- per gross. Original cases of 3 gross tablets (stamped with own name) - - £6 10s.

No. 4—As above, but tablets wrapped and cartoned in display boxes of 1 doz. 48/- gross. Retail 6d.

No. 8—Bath size (5 oz.) as above, unwrapped, in display boxes of 1 doz. 68/- gross. Retail 9d.

Salutis (Medicated Skin Soap). Fragrant and Refreshing. 60/- gross. Retail 8½d. tablet or box of 3 tablets 2/-

*With orders of reasonable quantities Chemist's Own Name branded on soap, ensuring repeat orders from satisfied customers*

**THESE PRODUCTS ARE NOT SUPPLIED OUTSIDE THE TRADE—THE SALE IS RESTRICTED TO CHEMISTS**

*Sole Agents for Gt. Britain & Colonies:*

**LUCE PRINTAMP, LTD., 10 Kingly St., Regent St., London, W.1**

Phone: Gerrard 4163.

Tel. Add.: "Printamp Piccy, London."

## BÜTYWAVE

**Sales will  
Overcome any  
Depression!**

**SELL—**

## BÜTYWAVE SHAMPOO

**and keep your  
PROFITS RISING**

## YOUR RESOLUTION FOR 1931

**TO SELL MORE  
PROFITABLE LINES**

**SUNDRIES  
DRUGS  
PACKED  
GOODS  
PROPRIETARIES**

## OURS

**TO ENABLE YOU TO  
DO SO**

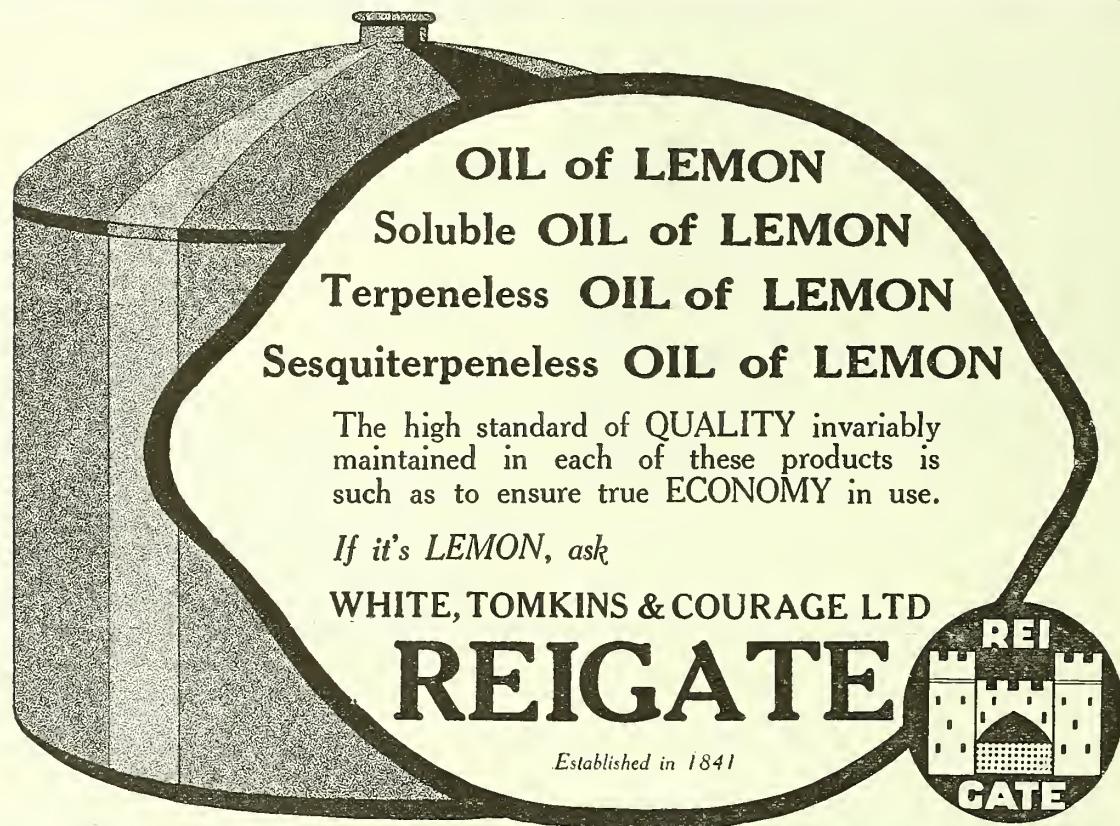
**"NEWBERYS"**  
 (F. NEWBERRY & SONS LTD)

**CHARTERHOUSE SQUARE**

**TREDEGAR HOUSE LONDON, E.C.1  
CARDIFF**

**COLLEGE LANE  
LIVERPOOL**





**OIL of LEMON**  
**Soluble OIL of LEMON**  
**Terpeneless OIL of LEMON**  
**Sesquiterpeneless OIL of LEMON**


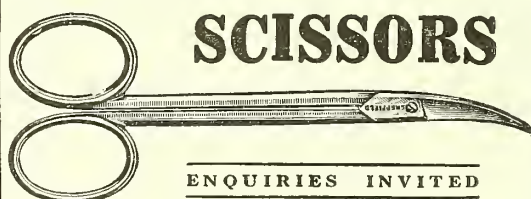
The high standard of **QUALITY** invariably maintained in each of these products is such as to ensure true **ECONOMY** in use.

*If it's LEMON, ask*

**WHITE, TOMKINS & COURAGE LTD**

**REIGATE**

*Established in 1841*

## SCISSORS

ENQUIRIES INVITED

**GILL, HERBERT & CO., Ltd.**  
 CUTLERY MANUFACTURERS,  
 Wheeldon Street, SHEFFIELD

**OVER 53% !!** This Profit on your outlay is guaranteed to you by  
**The FLEET Blade**



*A Sheffield  
 Product from the  
 Molten Steel to the  
 Finished Blade.*

Retails at 3 for 7½d.

Liberal trade-making samples  
 given to new stockists.

Bonus offered for Window  
 Displays.

Sample and terms from sole makers :-

**DOMINION STEEL CORPORATION, Ltd.**  
 Fleet Works, Queen's Road, SHEFFIELD.

## RODGERS QUALITY —and the lowest price in Sheffield!

Rodgers Scissors have always sold on quality, now they sell on price as well. The card illustrated costs you 6/6 and the scissors sell at prices ranging from 1/4 to 2/2, showing you a net profit of 3/3 per card. They are being widely advertised in Daily and Women's Papers under the slogan, "What! Rodgers' quality at that price!"

Order Card No. E. 7174/C.D.,  
 and see how the scissors sell themselves.  
**Joseph Rodgers & Sons, Ltd.**  
 Cutlery to His Majesty,  
 SHEFFIELD.



**SALE**  
**POSTERS & TICKETS**  
 Colored Illustrated Lists Free  
**DUDLEY & COMPANY Limited**  
 451, Holloway Rd, London N.7.  
 City Showrooms:  
 65/66 FORE ST E.C.2





The Brushes are made in nine models, retailing from 3/6 to 18/6, all subject to generous discounts giving you a substantial living profit. Can be supplied through your usual wholesaler.



There is only one hair-brush which is equally suitable for people of both sexes and all ages:—The “MASON PEARSON” Brush.

It brushes much more quickly than any other brush. It brushes more efficiently. It cleanses the scalp more gently and thoroughly than any other brush. It disentangles long hair without tugging it, and restores the “set” to ruffled hair.

The “MASON PEARSON” is the largest-selling Hair-Brush to-day!

# MASON PEARSON HAIR-BRUSH

MASON PEARSON SELLING AGENCY LTD.

59 NEW OXFORD STREET, LONDON, W.C.1

**Eclipse**  
RAZOR BLADES  
BRITISH THROUGHOUT  
JAMES NEILL & CO. (SHEFFIELD) LTD.  
Crucible Steel Manufacturers SHEFFIELD

## Free!

**ECLIPSE**  
RAZOR  
BLADES  
BRITISH THROUGHOUT

3  
for  
1/-

5  
for  
1/8

“Eclipse” Blades represent the highest achievement of shaving comfort. They are made in our own Works in Sheffield right from the ingot of high grade Crucible Steel to the finished Blade of supreme and lasting keenness.

With your order for “Eclipse” Blades, the Manufacturers will send gratis a supply of these useful Containers for used Blades for free distribution to every purchaser of a packet of “Eclipse” Blades. These handy Containers solve the problem of how to dispose of used Razor Blades without fear of danger.

DISPLAY CARD complete with 10 Packets of 3's = £0 6 8  
 ONE BOX of 100 BLADES in Packets of 5's or 10's = £1 2 3  
 5 BOXES each of 100 BLADES in packets of 5's or 10's = £1 1 8  
 Payment: Monthly Account less 2½%.

Order from your usual Wholesaler,  
 or direct from the Manufacturers.  
**JAMES NEILL & CO. (SHEFFIELD) LTD.**  
 Crucible Steel Manufacturers SHEFFIELD.

E62

# CORNER'S OILS

The GREAT remedy for  
Accidents and Animal Ailments.

Protected Retail Price - - - 2/9 per bottle.  
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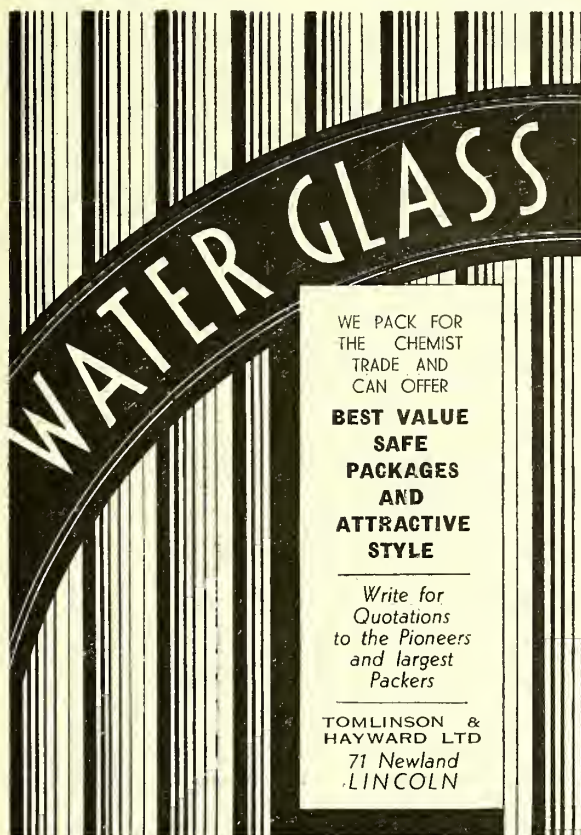
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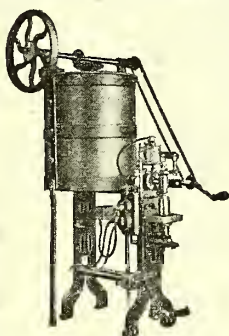
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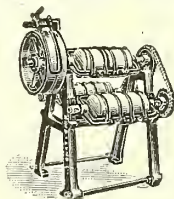
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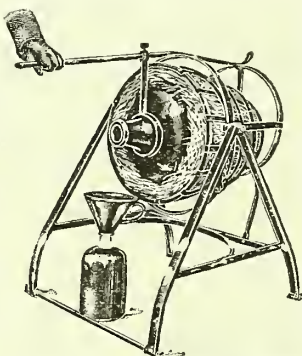
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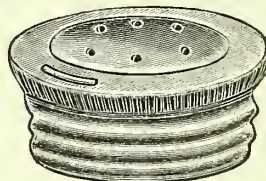
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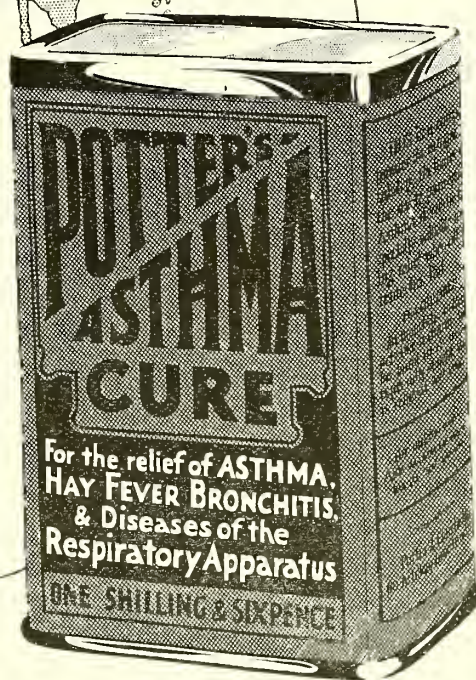




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Vol. 114. No. 2

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## English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

### Medical Service Scheme in Essex

The "British Medical Journal" of January 3 contains particulars of a scheme undertaken by the Essex Public Medical Services, a body founded in 1923. The new service is intended to help people of "very moderate" income who cannot or do not avail themselves of the assistance provided for those on a lower economic level. The rate of subscription has been fixed at 30s. per annum for each member of the family, adult or child, but if there are more than two children under sixteen the subscription for each of these others may be only 20s. The service to which a subscriber will be entitled includes medical and surgical treatment within the competence and skill of a general practitioner, to be given either at the surgery, or, when the condition of the patient requires it, at his home, together with all needful medicines. The subscriber is not to be entitled to medical service in respect to confinements or miscarriages, or to illness arising therefrom within ten days; to vaccination services; to the administration of a general anæsthetic; to certificates and reports; to certain expensive medicines or preparations such as may be determined from time to time by the committee; or to examinations and court attendance under common law or workmen's compensation or other statutes. A subscriber is to be entitled to benefit three weeks after acceptance by the practitioner. It is added that such a scheme must necessarily be experimental. The secretary is Mr. H. E. Norton, 108 City Road, London, E.C.1.

### Inquests

At Oldham, recently, an inquest was held on the body of Arthur K. Parry, aged three, the son of a timber merchant. The evidence showed that the father administered a dose of a vaporising fluid in mistake for medicine. A verdict of "Death by misadventure" was recorded.

A verdict of "Suicide while of unsound mind" was returned at a recent inquiry at Leominster concerning

the death of Mary A. Minton, Kimbolton. It was stated that when a local doctor was called in, she told him she was poisoned by liquid ammonia. He asked her how much she had drunk, and she indicated a quantity between 5 oz. and 6 oz. The bottle was marked "Poisonous. Not to be taken."

An inquest was held by the Westminster coroner, on January 2, on the body of Daisy Woods, known locally as the "Good Samaritan of Victoria," who was found dead in a house in Wilton Road. It was stated in evidence that a year ago Mrs. Woods attempted to take her life by means of an overdose of medinal, and that the actual cause of death was poisoning by adalin. Sir Bernard Spilsbury stated that fourteen adalin tablets were missing from a bottle found, and that that number would be a poisonous dose. A verdict of "Suicide while of unsound mind" was recorded.

### Sheffield

The Brightside & Carbrook Co-operative Society, Ltd., are to open a drug department in the new stores they are building at Firth Park.

In a memorandum on the dispensary services, issued by the Sheffield Public Assistance Officer to his committee, it is reported there was no difficulty in utilising the National Health Insurance pharmaceutical service for the purpose of obtaining drugs, medicines, and appliances in cases of medical relief.

### Miscellaneous

**CLOSING ORDER.**—A Closing Order has been issued in Carnarvon as follows:—Monday, Tuesday, Wednesday and Friday, 7 p.m., Thursday, 1 p.m.; Saturday, 8 p.m.

**IN THE COURTS.**—At St. Helens, Lancs, on December 22, Arthur Johnson, herbalist, Hardshaw Street, was fined 40s., with 21s. costs, for selling zinc ointment deficient in zinc oxide.

**INSUFFICIENT LABELLING.**—At Newcastle, on December 31, Throckley Co-operative Society, Newcastle Co-operative Society and West Wylam Co-operative Society were each fined 10s., with costs, for having retailed disinfectant not sufficiently labelled.—At Amble, on January 2, Amble Co-operative Society was fined 20s. with 10s. costs, in respect of a similar offence.

**BRITISH INDUSTRIES FAIR.**—Advance overseas editions of the catalogues of the British Industries Fair were issued on January 1. For the first time the catalogues of the London and Birmingham sections are in the same form, each having a classified index in English, French, Spanish, Portuguese, Italian, German, Dutch, Swedish and Danish. The London catalogue contains descriptions of the exhibits of about 1,200 manufacturers, and the Birmingham entries bring the total to over 2,000. Both sections will have more exhibitors and will cover a greater area than in 1930, and the total area of the Fair will be still further increased by the holding of the cotton textile section at the White City, London, for which a separate catalogue is to be issued. The Fair opens on February 16.

## Scottish News

### Brevities

The cold weather has caused a brisk demand for seasonable lines.

Panel chemists' accounts for Moray and Nairn for the past quarter amounted to £308 8s.

The shop of Mr. R. W. Garrow, chemist and druggist, Mid Street, Keith, was recently broken into and a sum of money stolen.

Councillor G. Watson Brown, chemist and druggist, has been elected a member of the committee of the Bridge of Allan Merchants' Association.

William Hill & Co., 136 Renfield Street, Glasgow, have been appointed agents in Scotland for The Crown Perfumery Co., Ltd., Cunard Buildings, Liverpool.

Fifeshire panel chemists complain that certain proprietary drugs and preparations are being disallowed, and suggest there is urgent need for a uniform list and strict adherence to it.

## Irish News

### Brevities

Mr. Thomas L. Cole, Ph.C., Whitewell, has been elected a member of the Belfast Corporation.

Mr. Samuel A. Smyth, of the Indian Civil Service, who received a K.C.I.E. in the New Year honours, is a brother of Mr. W. Smyth, Ph.C., Donegall Square West, Belfast.

At a meeting of Belfast Corporation on January 1, the chief tuberculosis officer reported as to conferences with the Ministry of Labour relative to the supply of cod-liver oil emulsion, malt extract, etc., to insured persons under the National Health Insurance Act (Northern Ireland), 1930. It was intimated that a Committee had been appointed by the Medical Benefit Council for the purpose of defining the articles to be classed as drugs.

An inquest was resumed and concluded, recently, concerning the death of Mr. Thomas A. Sheirliffe, chairman of Byrne & Co., Ltd., chemists, Clonmel, who was found dead in a chair in his office. Medical evidence showed that hydrocyanic acid was found in the stomach, and it was believed that the deceased had taken about 35 gr. of potassium cyanide. A verdict was returned to the effect that death was due to potassium cyanide poisoning, there being no definite evidence to show how the poison was administered.

## Business Changes

**BOOTS, LTD.**, are opening a new branch at the Haymarket (corner of King Street), Sheffield.

**MR. H. FELLOWS**, chemist and druggist, has opened a pharmacy at St. Owen's Street, Hereford.

**BOOTS, LTD.**, have acquired the business of Mr. Leslie Piper, 248 London Road, Sheffield.

**MR. C. YOWARD**, chemist and druggist, has opened a pharmacy at 142 Manchester Road, Swindon.

**MR. R. GILMOUR MCCREE**, chemist and druggist, is opening a business at 7 Blind Lane, Silksworth, co. Durham.

**MR. A. P. CURTIS**, chemist and druggist, has purchased the business of Hawes, Whiston & Co., chemists, 38 St. James's Square, Bath.

**MR. W. P. SPARKES**, chemist and druggist, has purchased the business of Smith & Perkins, chemists, 2 Station Road, East Grinstead.

**FRANK LESLIE (CHEMISTS), LTD.**, 118 Rushey Green, Catford, London, S.E.6, have removed to new premises at 9 Springfield Park Crescent.

**TORBAY PHARMACIES, LTD.**, have opened a new pharmacy at 1 The Arcade, Bognor Regis; the branch will trade under the name of Atkinson, dispensing chemist.

## Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Tuesday, January 13

**Pharmaceutical Society of Great Britain**, 17 Bloomsbury Square, London, W.C.1, at 8.30 p.m. Evening meeting. Dr. E. F. Armstrong, F.R.S., on "Thoughts from a Chemist's Garden."

### Wednesday, January 14

**Manchester Pharmaceutical Association**, Midland Hotel, at 7.30 p.m. Annual whist drive and dance. Tickets, single 15s., double 27s. 6d.

**Birmingham Pharmaceutical Association**, Ridgeway's Café, Corporation Street, at 7.15 p.m. Whist drive in aid of the Pharmaceutical Society's Benevolent Fund. Tickets, 3s. each, including refreshments.

### Thursday, January 15

**National Association of Women Pharmacists**, Suffolk Street Galleries, Suffolk Street, Pall Mall, S.W.1, at 7.30 p.m. to midnight. Dance, single ticket 7s. (including refreshments) from the secretary, Miss Hodgkinson, 12 Largside Crescent, Southgate, N.14.

**North-East London District Pharmaceutical Association and Branch**, St. John's Institute, Urswick Road, Hackney, at 3 p.m. Mr. John Humphrey (member of the Society's Council) on "Impending Legislation."

**Pharmaceutical Society of Great Britain, Bedfordshire Branch**, 72 George Street, Luton, at 8 p.m. Meeting to discuss the draft Pharmacy and Poisons Bill. Mr. E. Saville Peck (a member of the Society's Council) will give an address.

**Pharmaceutical Society of Great Britain, North Staffordshire Branch**, King's Hall, Stoke. Annual dance in aid of the Society's Benevolent Fund.

**Pharmaceutical Society of Great Britain, West London Branch**, Slaters' Restaurant, 192 Oxford Street, London, W.1, at 8.30 p.m. Mr. A. H. Jenkin (member of the Society's Council) will introduce discussion on the draft Bill amendments.

### Friday, January 16

**South-West London Chemists' Association and Branch of the Pharmaceutical Society**, Carpenter's Restaurant, 3-4 The Pavement, Clapham, S.W.4, at 8.30 p.m. Meeting. The amended draft Bill will be described.

**WESTERN (LONDON) PHARMACISTS' ASSOCIATION.**—The annual Western dance will be held at the Grand Hotel, Portman Rooms, Baker Street, London, W.1, on Thursday, January 22, from 8 p.m. to midnight. Tickets, 6s. 6d. each (including refreshments), may be obtained from the social secretary, Mr. Gwilym Thomas, 105a Crawford Street, W.1.

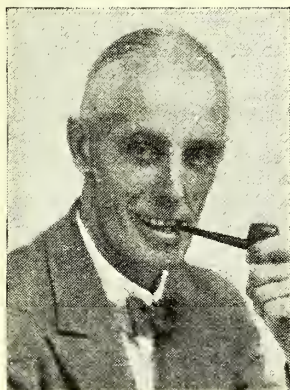


## Personalities

MRS. ASHTON, wife of Mr. C. S. Ashton, chemist and druggist, Brighton, has been appointed a justice of the peace.

MR. GORDON M. GRIFFITH, chemist and druggist, Hereford, has been elected chairman of the South Shropshire and North Herefordshire Gliding Club.

ONE of the visitors to the C. & D. Offices during the present week was Mr. J. H. Sutton, president of the



MR. J. H. SUTTON

Associated Pharmaceutical Society of South Africa, who is over on a business trip. Mr. Sutton had some interesting things to tell us of conditions in the Union of South Africa, both pharmaceutical and otherwise. Landing in Cape Town in 1907, he proceeded immediately to Krugersdorp in the Transvaal, where he was engaged in the leading pharmacy. Electric or gas light was not common in those days, the shop being illuminated with oil lamps. After a stay of some four years, Mr. Sutton was then employed as manufacturing chemist to Sive Bros. & Kamovsky, Ltd. Following that experience the prevalent cry of "Back to the land" was heard, and an experiment in that direction was essayed. The following year found Mr. Sutton back in the ranks of pharmacy, this time as a proprietor, Klerksdorp in the Transvaal being the selected place. After a few months there, seeing the strides made in the cinema business, Mr. Sutton tried his 'prentice hand at that. Up to the outbreak of war this proved to be a profitable enterprise. Then a demand arose for x-ray operators, and after a short but intensive period of study a post was obtained at the Klerksdorp Hospital. After the conclusion of hostilities Mr. Sutton purchased the three businesses in Kimberley known as Pimm, Ltd., and prior to that had acquired the only opposition in Klerksdorp, dividing his time between the two towns. Owing to local conditions the Klerksdorp businesses were sold (although to this day they are run as Sutton, Ltd.), and Kimberley was concentrated on. During a stay there of eight years the local Pharmaceutical Society became known as one of the most enthusiastic branches in the Union. For three years Mr. Sutton acted as president, and for the remaining four and a half years of his residence took over the duties of secretary and treasurer, being presented with a testimonial by the Society on leaving. Mr. Sutton then joined the board of the Transvaal Drug Co., Ltd., in Johannesburg, and assisted in the removal of that business into its present imposing building. This move, made during one week-end, consisted in transferring £60,000 worth of goods from one building into another. Mr. Sutton was elected vice-president of the A.P.S. of South Africa at the Kimberley Conference in 1929, and president at the East London Conference in 1930. Amongst his other activities Mr. Sutton has been a diamond digger. At the present time pharmacy in South Africa is fairly good, but the effects of competition from outside sources is becoming increasingly evident. Mr. Sutton will be glad to hear of any old friends, and communications may be addressed c/o our office.

CERTIFICATES OF NATURALISATION have been granted to C. G. Berge, dentist, 3 Birkbeck Avenue, Acton, Middlesex; A. Bernstein (known as Isaac Bernstein), chemist, 55 High Street, Aldgate, London; I. Kovolman, Bachelor of Medicine, 303 King's Park Avenue, Glasgow; A. Pinkus, chemist, 234 Amhurst Road, Hackney, London.

## South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of Chemists' Societies in South Africa.

### The Union

SACCHARIN IN AERATED WATERS.—Government notice No. 1,496 notifies that the Minister of Public Health intends to amend the regulations issued under the Foods, Drugs and Disinfectants Act so as to prohibit entirely the use of saccharin as a sweetening agent in aerated or mineral waters, from December 31, 1931.

### Transvaal

NITRIC ACID PRODUCTION.—The synthetic ammonia plant to be erected by the African Explosives and Industries Co. at Modderfontein, Transvaal, will supply two units also to be constructed for the oxidation of ammonia into nitric acid. This construction will take approximately two years to complete and will cost about £500,000.

COURT DEFINITION OF PHARMACY.—The definition of "pharmacy" was the point at issue in a case heard by Mr. W. C. Lawrence, in the Johannesburg Magistrate's Court recently, when Lewis Arthur Marks was charged under the Medical, Dental and Pharmacy Act with failing to be in constant attendance on the premises of a pharmacy carried on by him. Sydney Greaves, of S. Greaves & Co., opticians, gave evidence that Marks was employed by his firm as an optician and had to be on the premises constantly during business hours, with only the ordinary latitude. Nathan Merinsky, chairman of Spera (Pty.), chemists, said that on October 1 last, Marks was elected managing director. Marks was the only chemist and druggist connected with the business. Cross-examined by Mr. S. Goldberg, Merinsky said that no drugs or medicines were manufactured or dispensed by the firm. They were really agents for overseas firms carrying on a wholesale business. All poisons and habit-forming drugs were kept locked up, Marks having the key and doing all the issuing of such drugs and poisons, coming down to the shop especially. Mr. Goldberg applied for the discharge of Marks, on the ground that it had not been shown that Spera, Ltd., were carrying on a pharmacy. The company were chemists who did no manufacturing or dispensing. Mr. Lawrence: "Pharmacy" is defined as the business of a chemist and druggist. Spera, Ltd., are chemists and druggists. The application was dismissed and Marks was found guilty of the contravention of the Act. Sentence of £5, or seven days, was passed.

## Wills

MR. JAMES PROUDE, Dudwell Lane, Halifax, soap manufacturer, who died on November 2 last, aged sixty-six, left estate of the gross value of £5,587 14s. 1d., with net personalty £4,786 13s. 10d.

MR. VINCENT ANDOVER WILLS, J.P., of 3 Victoria Street, Merthyr Tydfil, chemist and druggist, who died on September 22 last, intestate, aged seventy-six years, left estate of the gross value of £1,229 13s. 5d., with net personalty £340 10s. 9d.

MR. KENNETH YARDLEY GIBBS, of Grey Roofs, Theydon Bois, Epping, Essex, chairman of D. & W. Gibbs, Ltd., who died on November 13 last, aged seventy-five, has left £31,547 11s. 4d., with net personalty £27,754 7s. 3d.

MR. CHARLES ALFRED STEWARD, High Street, Worcester, chemist and druggist, who died on July 29 last, aged fifty-four, left estate of the gross value of £1,736 2s. 6d., with net personalty £971 19s. 2d. He named no executor of his will.

## Legal Reports

**Food and Drugs (Adulteration) Act.**—At Marylebone Police Court, London, recently, Sarah Kaits, herbalist, High Street, Camden Town, N.W., was summoned for having sold carbolic ointment which was deficient in phenol and had been adulterated by the addition of 21.6 per cent. of zinc oxide, 20 per cent. of starch, and 6.8 per cent. of sulphur. Mr. W. T. Ricketts, solicitor, prosecuting, said that the defendant described herself as the only genuine herbalist in Camden Town. It was learned by the Borough Council that she was purporting to sell carbolic ointment, an article which should only be sold by a properly qualified chemist. The price was 6d. for a box about the same size as a 2d. tin of genuine carbolic ointment, B.P. The defendant said that the agent asked for carbolic skin ointment, and she sold it as skin ointment with a carbolic smell. Not being a qualified chemist she could not sell carbolic ointment. [An incorrect statement.—EDITOR.] Mr. Ricketts said that the article was sold as carbolic ointment. The magistrate fined the defendant 40s.

**Morphine Addict Sentenced.**—At Londonderry, on January 1, Frederick McCormick, Belfast, was charged with being unlawfully in possession of a drug or preparation supplied to him by Arthur E. Dickson, Ph.C., on prescription given by Dr. W. A. McCurdy, to whom he did not disclose that he was being attended by and prescribed for by Dr. W. P. Colhoun. District-Inspector Ferris, who prosecuted, explained that there were three separate charges. The accused obtained a number of prescriptions, and it was known that he visited two doctors on the same day. Dr. McCurdy and Dr. W. P. Colhoun gave evidence in support of the opening statement, and Mr. A. E. Dickson, Ph.C., stated that the defendant called with prescriptions for morphine from Dr. McCurdy on December 1, 3 and 5. Orders came to his shop from other chemists for morphine, and as chemists only rarely received such prescriptions he became suspicious. The stipendiary said the magistrates had come to the conclusion that the defendant was a morphine addict, but in view of his Army record they did not want to be severe upon him. They would sentence him to three months' imprisonment, with such labour as the prison doctor would consider suitable.

## New Companies and Company News

**P.C. means Private Company and R.O. Registered Office.**

**RAWSONS (1930), LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of chemists, druggists, drysalters, oil and colourmen, etc. The directors are: F. Rawson and H. C. Moscow. R.O.: 629 Smith-down Road, Liverpool.

**SILVERDALE AERATED WATER CO., LTD. (P.C.).**—Capital £2,500. Objects: To acquire the business of aerated water manufacturers now carried on by F. W. Wrench and A. Wrench at Chapel Street, Silverdale, and Newcastle Road, Stone. Solicitors: Alcock & Abberley, Market Place, Burslem.

**D. BRUCE & CO., LTD. (P.C.).**—Capital £100. Objects: To carry on the business of wholesale and retail chemists and druggists, chemists' and druggists' sundriesmen, etc. The directors are: D. G. S. Bruce, Little Croft, Bridge Road, Maidenhead, and J. W. O. van Millingen, 5 The Parade, Bridge Road, Maidenhead.

**LANCASTER'S MINERAL FOODS, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers, producers and distributors of and dealers in all mineral foods, products, chemical and other compounds, manures, herbs, powders... Secretary: A. C. Read, 39 Victoria Street, London, S.W.1.

**PHOSFERINE (ASHTON & PARSONS), LTD.**—Owing to the general trade depression, the board has decided to pay

an interim dividend of 2½ per cent. actual on account of the year ending April 30, 1931, on the £400,000 8 per cent. cumulative participating ordinary (£1) shares. The company, it is stated, is maintaining its position, and in view of the prevailing conditions the directors are satisfied with the results obtained.

**BEECHAMS PILLS, LTD.**—Shareholders have been informed that the company has acquired a substantial interest in Yeast Vite. To provide for this purchase, and also for purchases and developments in connection with some of the subsidiary companies, it has been decided to issue and offer to the present shareholders 300,000 8 per cent. cumulative participating preferred shares of £1 each at 20s. each. Mr. Philip E. Hill, the chairman of Beechams Pills, in a circular to the shareholders, states that the business continues to be successful, and as he has every reason to believe that the new addition will increase the company's prosperity, there should, in his opinion, be no doubt that the preferred shares will continue to receive a distribution of 10 per cent. per annum. The shares now offered carry a fixed dividend at the rate of 8 per cent. per annum, together with the right to share in the participating dividend of 2 per cent. per annum.

## Bankruptcy Reports

**Re Robert Henry Hyslop**, 26 Derby Road, Southport, chemist and druggist. The first meeting of the creditors was held recently at the office of the official receiver, Liverpool. The statement of affairs presented showed liabilities £258, with assets £9 5s. It was stated that the debtor is employed as a chemist and druggist at Blackburn. He attributed his failure to the result of an action brought against him. The case, being a summary one, was left in the hands of the official receiver as trustee.

**Re Walter Stuart Stenton**, Brooke Square, Conisborough, near Rotherham, Yorks, druggist. The first meeting of creditors herein was held at the Official Receiver's offices, Figtree Lane, Sheffield, recently when the debtor submitted a statement of affairs showing ranking liabilities of £408 1s. 3d., and a deficiency of £356 15s. 9d. He attributed his failure to "interest on loans from a moneylender, costs of suing creditors, and decline in business during the last three years." The case, being a summary one, was left in the hands of the official receiver, as trustee.

## Voluntary Liquidations

**Timil Products, Ltd.,** 7 Serjeant's Inn, London, E.C.

—Under the compulsory liquidation of this company the statutory first meetings of the creditors and shareholders were held on December 4 at the Board of Trade offices Carey Street, W.C. Mr. J. Barwick Thompson, official receiver, reported that the company was formed in April 1923 to manufacture and deal in preparations for removing grease stains and for polishing furniture, plate, etc. Mr. C. G. Cowen, a Dulwich chemist, had carried on business as Cleeneeze for several months, and the company was formed with a view to obtaining capital with which to acquire the goodwill and assets of that business for a consideration of £1,250 in cash and shares. The issued capital was £1,950. The trading was carried on at a loss. A statement of affairs had been lodged showing liabilities of £406 against assets £6, apart from the secret formulas for the manufacture of Cleeneeze, valued at £50. It would be the duty of the liquidator to consider whether the company had a valid claim to that secret process. The failure of the company was attributed to lack of capital with which to allow the preparation to be widely advertised and demonstrated. The liquidation was left in the hands of the official receiver.



## Almanacs and Calendars

DURING the past few days we have received copies of several almanacs, calendars and similar publications distributed by wholesale and retail houses. Although the number has somewhat decreased this year, the quality is up to the usual standard. The following are worthy of special mention:—

MR. A. LAWRENCE, chemist, 44 Great Charlotte Street, Liverpool, has selected for this year's calendar (12½ in. by 17¾ in.) a typical Cumberland scene.

WRIGLEY, PATERSON & CO., LTD., manufacturers of Suprclin disinfectants, Isleworth, Middlesex, have sent us a useful desk calendar (8 in. by 6 in.).

ARTHUR H. COX & CO., LTD., manufacturing chemists, Brighton, have chosen a reproduction of "Landfall" (by Charles Dixon) as the illustration to their calendar (15¼ in. by 11½ in.).

C. OLLEY & SONS, LTD. (The Tonkin Metallic Capsule Co.), Camperdown Street, Leman Street and Great Alie Street, London, E.1, have chosen a calendar (10½ in. by 13½ in.) with an attractive illustration.

ILFORD, LTD., Ilford, London, have sent us a Selo calendar (8½ in. by 13 in.), suitable for desk or wall. We understand that in future the distribution of Selo products will be carried out by Ilford, Ltd., to whom all orders and inquiries should be sent.

WHIFFEN & SONS, LTD., Carnwath Road, Fulham, London, S.W.6, issue a calendar (10 in. by 14 in.), which incorporates a useful idea in that each month's folio includes the month immediately preceding and that immediately succeeding, making for easier reference.

THOMAS WAIDE & SONS, LTD., chemists' and general printers, Kirkstall Road, Leeds, have produced by photo-litho process a calendar in seven colours (12 in. by 15 in.). The artist depicts two sporting dogs at work on the moors, and the illustration is rich in detail and delicate tints.

METROPOLITAN-VICKERS ELECTRICAL CO., LTD., Trafford Park, Manchester, have issued a handsome wall calendar (15½ in. by 21½ in.) bearing a study in colours of a girl's head. The daily calendar may also be used as a diary, notes of engagements coming into sight on required dates.

T. RIDLEY & SON (CHEMISTS), LTD., Carlisle and Wigton, have issued an almanac (5½ in. by 8½ in.) of considerable merit. The publication is admirably illustrated and contains useful lists of special preparations and sundries as well as general information, recipes and an ingenious picture puzzle.

FORD, SHAPLAND & CO., LTD., chemists' and general printers, Great Turnstile, High Holborn, London, W.C.1, have sent us a calendar (13¾ in. by 22½ in.) produced in their own works by the photo-litho offset process. The calendar is beautifully illustrated by a skilful reproduction of "Army Manœuvres" by Arthur Barrett.



## Festivities

### Carnival Dance

THE annual carnival dance of the North London Pharmaceutical Association was held on January 1. A good gathering of pharmacists and friends made a merry beginning of a new year. Dancing continued from 7 p.m. to midnight, with the frivolities usual on these occasions. The president (Mr. J. C. Young) and Mrs. Young welcomed the guests, and the M.C. for the evening was Mr. W. E. Swanston.

### A Printers' Event

THE staff and workpeople of Thomas Waide & Sons, Ltd., chemists' printers, spent a very pleasant evening at the Scala Ballroom, Leeds, on January 3, when they were entertained by the chairman of directors (Mr. Thomas Waide) to tea, followed by a dance. Despite the fog, about 250 were present. Brief speeches were made by Mr. Thomas Waide and Mr. James Wornall (works manager). Excellent musical items were provided, and the proceedings terminated with an enjoyable dance.

### A Hodgkinson-Prestons Dinner

THE annual staff dinner of Thos. Hodgkinson, Prestons & King was held at the Great Eastern Hotel, Liverpool Street, London, E.C., on January 3. Mr. W. J. Beardsley in the chair. Over eighty sat down to dinner. The chairman, in proposing the toast of "The Staff," spoke of the difficulties he foresaw for wholesale houses in the proposed Pharmacy and Poisons Bill. He emphasised the need for ever-increasing care on the part of each member of the staff. Mr. W. Maynard, in reply, said that they would all continue to do their best to serve the firm in a spirit of co-operation. Mr. F. Bolton proposed the health of "The Firm," and commented on the happy relations which had always existed between the firm and employees. Colonel Preston responded, saying he had followed his father and grandfather in happy service as a partner for nearly half a century, but feared, much to his regret, that he would not be able to carry on for many more years. "The Visitors" were welcomed in a hospitable speech by Mr. H. C. Preston, to which Mr. Stonhold replied. Mr. A. Higgs supported him, giving some timely advice to the members of the younger generation present. The chairman proposed the toast of "The Retail Pharmacists' Supply Association, Ltd.," an offshoot of the firm.

### A Successful Function

To commemorate the completion of extensive alterations to their London premises, the directors of May, Roberts & Co., Ltd., gave their staff a supper, dance and whist drive at Australia House, Strand, London, W.C.2, on January 1. After a speech by Mr. R. Peck (chairman of the Committee) the four directors of the company (Messrs. A. T. Webb, W. C. Stewart, O. G.

Loynes and G. J. Gaisford) were presented with gifts in the form of gold cigarette cases suitably inscribed. The gifts were from the entire staff, including the branches, and the presentation was made by Mr. E. Lewis, the oldest member of the staff, who was himself the recipient of a case of pipes. Each of the directors replied. Towards the close of a most enjoyable evening, Mr. A. T. Webb paid tribute to Mr. Peck for the responsibility he had shouldered in connection with the alterations. He thanked the chairman, secretary, Social Committee, and all who had contributed to the success of the evening.



# League of Nations

THE Permanent Central Opium Board of the League of Nations, in the report of its seventh session, states that for cocaine, Estonia has a consumption of 12.53 kg., Sweden 11.96 kg., France 7.26 kg., Germany 14.67 kg., Japan 7.05 kg., Great Britain 5.5 kg., and Italy 3.01 kg. per million inhabitants. Austria, which is the next highest consumer in Europe to Sweden, has a consumption of 7.62 kg. per million inhabitants. The Australian consumption of cocaine is 14.67 kg. per million inhabitants. From similar figures for diacetylmorphine it is seen that the consumption per head in France and Japan is more than four times as high as that of any other country whose consumption has been reported to the Board. Excluding India and the United States of America, whose consumption is abnormally low, the average consumption of all the countries mentioned above, except France and Japan, is nearly 1.028 kg. per million inhabitants. Taking all the products of opium together there is a high consumption per head of the French people. Japan is the next highest consumer to France of all countries whose consumption has been reported to the Board. The United States of America is an average high consumption country. The above figures do not include codeine.

The Advisory Committee considers that on an average about 10 per cent. of the drugs that pass into the illicit traffic are seized. For manufactured drugs, which are far more difficult to detect than raw opium, this estimate seems an optimistic one.

The distribution tables for manufactured drugs are satisfactory as far as they go; but, turning to the distribution tables for raw commodities, the position is quite different. The tables for raw opium show no sort of agreement between the statistics of imports and exports. The reason for this is that most of the great producing countries are not parties to the Geneva Convention.

## Difficult Problems

The difficulty of calculating the average requirements of any country in narcotic drugs is referred to in the following terms:—"But to infer that because a million men use on an average so many kilograms of cocaine yearly, each million men require the same quantity, would be as absurd as to suppose that the inhabitants of Central Africa require the same quantity of wool for their clothing as the people of Northern Europe. . . . It is therefore plainly impossible to establish a standard rate of consumption of narcotic drugs and lay down that this rate is applicable to the whole world." The report draws the further conclusion that it is likewise impossible to establish a standard rate for the amount of stocks that a country can legitimately accumulate without arousing the suspicion that it is becoming a centre of the illicit traffic. It is suggested that in many instances codeine can be substituted for morphine or diacetylmorphine. From this point of view it is desirable that the Board should know how much codeine is imported or consumed in the various countries. The Board desires to place on record its unanimous opinion that the word "manufacturing," when used in Article 22 of the Geneva Convention, must be understood to include the process of refining a crude product into one of the manufactured drugs covered by the Convention.

## The London Meeting

A report, dated November 11, 1930, of the preliminary Conference on limitation of manufacture held in London last autumn has been issued (C. 669. M. 278. 1930. XI). The report states that the Conference has not been able, in the course of its session, to come to a definite conclusion as to the allocation of the quotas among the manufacturing countries. It has been hampered by the fact that, as a result of unforeseen difficulties inherent in the nature of the work suggested by the Advisory Committee, the statistical material which the secretariat of the League

has been engaged in preparing did not reach it until the eve of its meeting, and secondly, by the fact that the negotiations of the manufacturers were still in progress when the Conference met, and did not reach a termination until late in the session of the Conference. The position of Japan and Turkey also presented special difficulties. The Japanese and Turkish delegations made it clear that they did not regard themselves as bound by the decisions reached by the Conference. The Conference considers that the discussions which have taken place have carried the matter a long way on the road to a final solution, and anticipates confidently that an agreement will be reached shortly.

The principal feature of the proposed scheme of distribution is the establishment of a Central Office. In the main, the work of the Central Office will be of a simple—in fact, almost of a mechanical—character. Its business will be to certify whether a given order for a supply of drugs received from any country will cause the estimate, or estimates, furnished by that country to be exceeded. For this purpose, all orders received will have to be referred to the Central Office in the first instance, who will record them and will certify, after examination of the previous records, whether they can be executed in whole or in part without exceeding the country's estimate. The Governments of the exporting countries would undertake not to authorise the export in whole or in part of the drugs ordered until a certificate had been produced from the Central Office certifying to the effect that the order or a part of it falls within the limits of the importing country's estimate. It was suggested by the manufacturers that the office should also undertake the arrangement of transfers of drugs between one supplying country and another in the cases contemplated in the Advisory Committee's report . . . cases of countries which receive orders in excess of the amount they are authorised to manufacture. The Conference saw no objection to the Central Office undertaking this duty in cases where the firms concerned did not prefer to arrange for the orders to be executed in another country. As this is a matter in which the consuming countries, and possibly the League as a whole, will be interested, the Conference puts forward no definite recommendation on the question whether the office should be run by the manufacturers or by some independent existing organisation. It proposes simply that a Central Office should be set up at an agreed spot under the control of the League of Nations. The Central Office will presumably be situated in Western Europe, where the factories which manufacture for export for medical and scientific purposes on an appreciable scale at present are situated. In the case of places remote from Europe which may wish to obtain their supplies from some distributing centre more conveniently situated, serious delays might ensue if the order had first to be referred from the distributing centre to the Central Office in Europe. In cases of this kind, the amounts ordered are usually quite small, and it is suggested that an exception might be made for such cases, subject to the condition that the annual supplies do not exceed a fixed limit, and that the purchases as made should be reported to the Central Office for insertion in its records. Other classes of cases which might receive special treatment are those of colonies or possessions whose supplies of the drugs are obtained from the mother country. The conditions would be the same as those for the previous class of case. The Advisory Committee laid it down as an essential part of its scheme that full liberty should be given to every country to send its orders to whatever country or firm it pleased. A draft scheme forms an appendix to the report.

R.P.U. FORMULARY.—The Retail Pharmacists' Union Formulary of Preparations made with Industrial Methylated Spirits, referred to in a special article by Mr. G. A. Mallinson in our issue of December 6 (p. 710), is issued by the Union at 2s. 6d.





*VIEWS OF THE PHARMACY OF MR. JOHN W. HALL, PH.C., PETERBOROUGH, REFERRED TO IN THE "C. & D." OF NOVEMBER 15, 1930. THE ENTRANCE, WITH SIGN OVER DOORWAY, IS SHOWN IN THE SECOND PHOTOGRAPH ON THE LEFT, AND THE CORRESPONDING INTERIOR ASPECT ABOVE IT.*



*THE BUILDING DATES BACK TO THE TWELFTH CENTURY.*





# Pharmacy and Poisons Bill

## Its chief Features and proposed Amendments

A memorandum compiled by the secretary of the North Metropolitan Branch of the Pharmaceutical Society, Mr. Herbert Skinner, Ph.C., for guidance in discussion at the Branch meeting, on January 22, on the principles of the Pharmacy and Poisons Bill in the House of Lords, with amendments suggested by the Pharmaceutical Society. Administrative details and obvious anomalies are omitted as suitable material for adjustment by committees.

### Proposals in the Bill

(1) *Authorisation for a pharmacist to sell, dispense, or compound poisons, in a shop kept open for sale of drugs shall, in future, be dependent on the payment of a fee for registration and subsequent annual retention fee. These payments would constitute a person member of the Pharmaceutical Society. Failure to pay within the stipulated time, in any one year, would cancel the authorisation, restoration being available. Pharmacists are called authorised sellers of poisons.*

(2) *Shops of pharmacists and those of companies trading as chemists would be required to register, paying an annual fee. Failure to pay within the stipulated time in any one year would disqualify the shop until the fee was paid, restoration being available.*

(3) *For certain offences, subject to the jurisdiction of a statutory committee, persons or shops could be removed from their respective registers. Certain precautions and safeguards are provided, and restoration would be available.*

(4) *The "widow's clause" to be limited to five years. Executors and companies carrying on the business of a chemist and druggist to be subject to the same principles governing shops, sales of poison, etc., as a pharmacist. Protection of titles to be re-enacted, and to a limited extent place names protected. The certificate for exhibition to be that of registration.*

(5) *The Bill creates a Poisons Board to replace the Pharmaceutical Society for scheduling poisons and poisonous substances, under the authority of the Home Secretary.*

(6) *The Bill proposes to abolish agri-horticultural licences and replace with local lists. To include vendors of poisonous substances (mineral acids) in a local list, both classes are treated as one with fees and inspection.*

(7) *The Home Secretary would be given power to make regulations for the supervision of manufacture of preparations containing poisons, sale by wholesale or retail, or supply, prohibiting sale save on prescription, dispensing with or relaxing any provision, and in respect of storage, containers, labelling, keeping records, qualification of supervisor in manufacture. Penalties for infringement to apply. Dispensing of poisons by authorised sellers remains practically the same as now, but supply and distribution are only covered by the above omnibus powers of the Home Secretary.*

(8) *The maximum penalties for infringement by summary jurisdiction to be:—Titles, £20; poisons, £50; inspection for enforcement of the Act by the Society, with power to take samples.*

### Pharmaceutical Society's Amendments

(1A) The Society would accept the clauses, but introduces a new principle merging all pharmacists into pharmaceutical chemists, creating some other title for Ph.C.s, and suggests calling pharmaceutical chemists authorised persons in relation to poisons. Many details in the transformation are necessary, and would finally be completed in by-laws.

(2A) The principle to be accepted with the removal or adjustment of obvious anomalies and giving facilities for registration and rectification of the register, ownership of certificate of registration to be vested in the Pharmaceutical Society.

(3A) The Council accepts, makes a few adjustments, and extends offences to include any drug or medicine dispensed or title used.

(4A) The Council would limit the "widow's clause" to three years. It suggests provisions to make by-laws possible dealing with places where apprenticeship can be undertaken, and provides for keeping open shop to compound or dispense drugs or medicines, also in institutions, with suitable protection for such other places or surgeries where a chemist is not available. It should be noted the Bill covers poisons only when sold in shops, with the provision that the Home Secretary can make regulations for other places.

(5A) The Council proposes to accept, with the proviso that Poisons List I should be definitely constructed on sectional principles for the guidance of the Board, and would limit exemptions to agri-horticultural poisons and poisonous substances, with certain sanitary fluids (Poisons List II).

(6A) The Council suggests strengthened control and limitations suitable to the needs of the community. Local authorities to have power of refusal. The Home Secretary to make regulations.

(7A) The Council accepts, and suggests regulations after consultation, the supply and distribution of poisons with medicines, etc., to be under supervision of a pharmaceutical chemist, making provision for special institutions and medical dispensing.

(8A) The Council accepts, with payment for samples and listing of analysts with recognition of their certificates.

The text of the Pharmacy and Poisons Bill was published in THE CHEMIST AND DRUGGIST, December 27, pp. 810 et seq.



## Trade Notes

**JOHNS, SON & WATTS, LTD.**, 40 City Road, London, E.C.1, specialise in cartons, embossed labels, showcards and similar display material.

**AMO SAFETY RAZOR BLADE CO., LTD.**, Broad Street House, London, E.C.2, invite chemists to write for free samples of their blades and particulars of the 1931 bonus terms.

**MARKETING SPECIALITIES IN CANADA.**—Wellman Sales, Ltd., 69 York Street, Toronto, 2, Canada, invite inquiries from manufacturers who are desirous of placing their goods on the Canadian market.

**FOR THE PHARMACY FLOOR.**—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, inform us that they are presenting a rubber floor mat for use in the pharmacy to all purchasers of 1 cwt. of their Chestnuts brand cough lozenges.

**PAGE-BARKER'S LOTION.**—Thomas Christy & Co., 4 Old Swan Lane, London, E.C., are giving one dozen Page-Barker's scurf lotion free on certain orders, in addition to the usual bonus. Particulars of this offer, which is available during January and February, are given in the advertisement pages.

**CASTILE SOAP.**—Luce Printamp, Ltd., 10 Kingly Street, Regent Street, London, W.1, are the agents for Great Britain and the Colonies for the Castile soap manufactured by Chiozza & Turchi, Milan. The soap, the sale of which is restricted to chemists, is supplied in tablet form, unwrapped, wrapped, and in display boxes. On orders for certain quantities, the chemist's name is marked on the soap.

**BOTOL.**—Continental Laboratories, Ltd., 30 Marsham Street, London, S.W.1, are placing on the market a French preparation named Botol, a combination of bromoform, codeine, aconite and belladonna in tablet form. It is claimed that the difficulties attendant on the administration of the first named are entirely overcome by the use of a bromoformic salt, and the tablets are so prepared that gastric derangement is avoided.

**AUSTRALIAN BUSINESS.**—Drug Houses of Australia, Proprietary Agencies, Ltd., G.P.O. Box 531E, Melbourne, undertake the manufacture and distribution of proprietary articles in Australia. The company is well equipped for such business, both as regards *personnel* and apparatus, while heavy import duties are thus avoided. The London representatives are Grimwade, Ridley & Co., St. John's House, 124 Minorities, E.C.2.

**THE NATIONAL CASH REGISTER CO., LTD.**, 225 Tottenham Court Road, London, W.1, are issuing a booklet entitled "On Building a Bigger Business," a copy of which will be sent to any C. & D. subscriber on application. The booklet deals with the selling of more goods to the chemist's present customers, and shows the large increase in percentage of net profit which follows even a small increase in the average sale. There is also a table showing weekly sales in relation to wages.

**PRUNOL.**—Prunol Products, Ltd., 21 Cockspur Street, London, S.W.1, announce that for a few weeks a special test package of Prunol is to be extensively advertised to the public. It consists of the usual jar of Prunol, with the addition of a quantity in a carton, the two being wrapped together in a cellophane binding. The public are invited to test the quantity in the carton first, then if they are not convinced that Prunol is doing them good, they may return the large jar if it is intact, when their money will be refunded. Chemists are guaranteed their full profit, and are offered these two-in-one packages in boxes at thirteen-to-the-dozen. Explanatory showcards are supplied with the goods.

**DIARY CORRECTIONS.**—Since the C. & D. Diary, 1931, was published several alterations have taken place which it is necessary that our subscribers should note. In the first place, W. Bredt, Ltd., state, in connection

with their Ysates advertisement on page 390, that the price for Daucarysate in 60 c.c. bottles should read 1s. 6d., that Digitalysate is obtainable in 10 c.c. bottles at 1s. 3d., Salvysate in 15 c.c. bottles at 1s. 3d., Diuretylate in 30 c.c. bottles should read 1s. 7d., 60 c.c. bottles 2s. 6d.—The New Zealand address (on p. 375) of Fassett & Johnson, Ltd., should read Levy Building, Manners Street, Wellington.—In the Trade Directory section the telephone number of Brown & Son (Alembic Works), Ltd., is now Archway 1522 and the telegraphic address Alembrolim, Holway, London.—The new address of Mundet Cork Products, Ltd., is 12-18 Abbey Street, Tower Bridge Road, London, S.E.1, and the telephone number Hop 2685.—The address of A. Prescott should read 12 Broom Lane, Broughton Park, Manchester.—There are several folio numbers in some issues of the Trade Directory which are rather indistinct, that for British Glandular Products, Ltd., is 476; for Epps, Thatcher & Co., 412; Scholl Manufacturing Co., Ltd., 410.—The folios for the Trade Directory are 139 to 148.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1931, p. 345.

(From "The Trade Marks Journal," December 24, 1930.)

"SUPERSAN"; for agricultural chemicals, etc. (2) and for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 517.602/438. (Associated.)

"THALASSAN"; for a preparation for sea, air and brain sickness (3). By Chemische Fabrik Promonta G.m.b.H., 165-172 Hammerlandstrasse, Hamburg 25, Germany. 513,977.

"PHOS-KALS"; for medicinal substances for the treatment of calcium deficiency (3). By T. C. Hutchison, 107 Airth Drive, Glasgow, S.W.2. 515,075.

"CEPHOS"; for medicinal chemicals (3). By Cephos, Ltd., 100 Darwen Street, Blackburn. 516.156. (Associated.)

"RAWLEIGH'S" with portrait of W. T. Rawleigh ("Rawleigh's" disclaimed); for medicinal chemicals (3). By The W. T. Rawleigh Co., 101 South Liberty Street, Freeport, Illinois, U.S.A. 516,817.

"PLEASHDYNE"; "TETRADYNE"; for medicines (3). By The Standard Tablet Co., Ltd., Newtown Road Extension, Hove, Sussex. 517,067/637.

"CRYSOSAL"; for medicinal chemicals (3). By H. Johnson (Birmingham), Ltd., 16 Holt Street Wharf, Birmingham. 517,220.

"CHESTILLES"; for medicated pastilles (3). By Teasdale & Co., Ltd., Westmorland Street, Carlisle. 517,849.

"PADUTIN"; for medicinal chemicals (3). By Bayer Products, Ltd., 31 to 34 Basinghall Street, London, E.C.2. 517,917.

"CYTOSTYL"; for medicinal chemicals (3). By Berthe Battandier, 7 Rue Bague, Paris, France. 517,960.

"ANTRYPOL"; for medicinal chemicals (3). By British Dye Stuffs Corporation, Ltd., Hexagon House, Blackley, Manchester. 517,990.

"MOVACOL"; for medicinal chemicals (3). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury, Worcestershire. 518,073.

## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

N/71. Byonite tablets	G/51. Isophenyl
D/3012. Cystine	H/1312. Levesley's Newmarket horse bandages
B/71. Digestaline	A/71. Ludovic crêpe bandages
B/51. Duckworth's green oils	W/2212. Newell treatment for tuberculosis
S/51. Eureka feeding bottle	
B/71. Hydnoecarin	

## Deaths

**BIGGS.**—At his residence, 14 Clifton Street, Stourbridge, on December 29, 1930, Mr. Frederick William Biggs, chemist and druggist, aged sixty-eight. Mr. Biggs was a native of Lichfield, in which city he served his apprenticeship, and after gaining further experience at Leicester, he established his own business at Stourbridge over forty years ago. He was a former member of the Town Council, served for over thirty years on the Board of Guardians (of which body he became chairman), and was also a member of the Rotary Club and of the Stourbridge and District Water Board. Mr. Biggs took an active part in the establishment of public baths in his town, and became a vice-president of a local swimming club. A representative gathering attended the funeral at St. Thomas's Church, on January 1. The officiating clergy were Canon M. S. Newland, R.D., the Rev. Dr. C. R. Davey Biggs (brother of the deceased) and the Rev. W. Smith. Among those present were Mr. Harold Miller, Cheltenham (managing director of the United Chemists' Association, Ltd.); Mr. A. O. Freeman, chemist and druggist, Lye; Mr. West, Stourbridge; and Messrs. Gibbs and Moseley, assistants. Numerous local public bodies were also represented.

**BOON.**—On December 29, 1930, Mr. Nathaniel Boon, chemist and druggist, Kirton-in-Lindsey, aged seventy-six. Mr. Boon was in business at Kirton for nearly fifty years, and in his younger days was a member of the Brigg Rowing Club. He took over the pharmacy, which has been in existence since 1600, from the late Mr. George Penn. He leaves a widow, four sons and four daughters. Three of his four sons are chemists.

**CAIRNS.**—At 4 Halcombe Crescent, Earlstoun, on December 9, 1930, the widow of Mr. John Cairns, chemist and druggist.

**DAKIN.**—In a London nursing home, on January 1, of pneumonia, Mr. Geoffrey Dakin, chemist and druggist, late of Dakin Brothers, Ltd., manufacturing chemists, 82 Middlesex Street, London, E.1, aged forty-six. Mr. Dakin was the son of Mr. J. Harrison Dakin, the late governing director of the company, and grandson of Mr. Joseph Dakin, the founder of the firm. He was educated at Marlborough, and studied for and obtained his qualification at Bloomsbury Square. He then joined the company, of which he became a director, but immediately on the outbreak of war he enlisted in the Public Schools Corps, later obtaining a commission in the Motor Machine Gun Corps, and served for the whole period of hostilities. After the war he resumed his directorship, but the strain and hardships of active service resulting in a breakdown of his health he resigned in 1925, and had for some time past been living in Winchelsea.

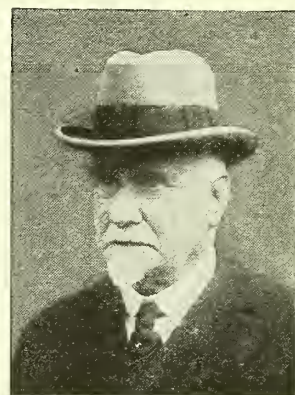
**HUGGINS.**—At 29 Rectory Road, Stoke Newington, London, N.16, on January 4, after a brief illness, Florence, the wife of Mr. A. F. Huggins, chemist and druggist.

**KIRBY.**—At 31 Goldsmith Avenue, Acton, London, W.3, on December 31, 1930, Mr. Albert Victor Kirby, pharmacist, 80 Church Road, Acton, aged forty-three.

**MAY.**—At his residence, Sunnyside, Whitehead, Belfast, on January 3, Mr. Thomas May, chemist and druggist, 227 York Street, aged seventy-eight. Mr. May, who passed his first years at Dundrod, co. Antrim, served his apprenticeship at 205 York Street, Belfast. Shortly after completing his time he purchased the business from Mr. Miskelly and carried it on for a few years, when he transferred to No. 227, where he traded for the next fifty years. His business career in York Street thus amounted to sixty-three years. He was a chemist and druggist on the Registers of both the Irish Pharmaceutical Societies, and a member of the Chemists' and Druggists' Society of Ireland. Mr. May had an extensive business, and specialised in the treatment of horses and dogs. His wife predeceased him in 1927, and he is survived by five daughters.

**PIDD.**—At his residence, "Herrestad," Wilbraham Road, Alexandra Park, Manchester, on December 30, 1930, Mr. Arthur Joseph Pidd, M.P.S., chairman

of William Mather, Ltd., medical plaster manufacturers, Dyer Street, Hulme, aged eighty. Mr. Pidd, who was born at Crowle, Lincolnshire, went to Manchester at the age of eighteen, as assistant to the late Mr. Whitfield, of Chester Road, passing the Qualifying examination in 1873. He subsequently became a partner and eventually the sole proprietor of the business, which was then known as Whitfield & Pidd. A branch was opened in Rochdale Road, and about forty years ago



Photo] MR. A. J. PIDD [Cleworth

was purchased by Mr. J. H. Nidd. In 1894 Mr. Pidd acquired an interest in the business of William Mather, medical plaster manufacturer; on the conversion of the firm into a limited company he became chairman of the directors. Mr. Pidd was a member of the Manchester Pharmaceutical Association for sixty years, during thirty-two of which he was the Association's treasurer. During the late war he was also in charge of the fund raised for assisting Belgian doctors and pharmacists and the local organisation of the War Auxiliary Benevolent Fund. On the formation of the Manchester and District Pharmacists' Golfing Society in 1921, Mr. Pidd was elected president, a position he filled for the rest of his life. Of generous disposition, he gave the Society a prize each year for competition. Mr. Pidd was a student at Owens College long before it was incorporated in the University of Manchester, and retained his interest in University affairs throughout his life. In 1923 he received from the Medical and Surgical Plaster Manufacturers' Conference a presentation of silver. Mr. Pidd was unmarried. The funeral took place on January 3 at Stretford Cemetery. Among the numerous mourners were the following, representing the various branches of pharmacy with which Mr. Pidd had been associated:—Messrs. E. Stabler (president of the Manchester Pharmaceutical Association); W. I. Scholes and D. Dickson (vice-presidents); T. Miller (secretary of the Association and of the local Branch of the Pharmaceutical Society); E. H. Simmons (chairman of the Branch); F. W. Bates, J.P.; E. Berry, M.Sc.; A. E. H. Blackburn; H. Brindle, B.Sc.; H. Burgess; J. Cleworth; J. H. Franklin; J. Grier, M.Sc.; R. Hough; D. Lewis; J. H. Nidd; H. Stout; and F. H. Sprott. The staff and employees of William Mather, Ltd., were present at the funeral, in addition to many relatives and friends. In consequence of the announcement "No flowers," wreaths were sent only from the workers of Messrs. Mather and from immediate relatives.

**WOOLLS.**—At 63 Cornwall Gardens, Cliftonville, Margate, on December 25, 1930, suddenly, Mr. Victor John Woolls, chemist and druggist (V. J. Woolls, Ltd., chemists, 16 Cecil Square and branches), aged sixty-four. Mr. Woolls, who was a native of Margate, commenced business in Cecil Square thirty years ago. He gradually extended his connection to the present six establishments in Margate and Ramsgate. While devoted to business, music absorbed his leisure moments, and he was never so happy as when using his talent for the enjoyment of others. For seventeen years Mr. Woolls was organist and choirmaster of St. Austin's Church, and his genial and lovable disposition will cause him to be sorely missed. At the funeral at the Parish Church on December 30, representatives of the Rotary and Masonic Clubs, and of practically all the public bodies and societies in the town, assembled to bear witness to the widespread esteem in which he was held.



# Observations and Reflections

By Xrayser III

## Can We Afford

to accept it as a principle that membership of the Pharmaceutical Society shall be compulsory in order that registered pharmacists may secure recognition as authorised sellers of poisons? As you point out (*C. & D.*, January 3, p. 15), the conception is not pleasing and is a distinct lowering of the prestige of pharmacy. We are not at all anxious to be known as poison sellers, and many of us are at particular pains to avoid the vending of poisons. So much so that I have, on occasion, taken it upon me to remind chemists and druggists that, as the only persons legally entitled to sell certain poisons, they must assume that it is incumbent upon them to supply the substances when required in legitimate circumstances, much as they might prefer to refuse to do so. But the wording of the Pharmacy and Poisons Bill would prevent us from compounding or dispensing medicaments containing poisons unless we secured recognition as vendors of poisons, the object being, apparently, to secure such an effective control of the distribution of those substances as would place the business of chemists and druggists absolutely at the mercy of officialdom. In other words, the passing of the Bill without amendment of the clause providing for compulsory membership of the Pharmaceutical Society will impose serious and unnecessary restrictions upon the practice of pharmacy in open shops, in order that mechanical exactitude shall prevail throughout Great Britain in connection with the sale and distribution of poisons.

## Amendment of the Bill

ought to be insisted upon, to the extent, at least, that registration as a pharmacist shall be necessary in the case of every person who compounds and dispenses medicines, and that restrictions to be enforced in the case of poisons sold over the counter like other commodities shall not apply in the case of medicinal poisons when used in the course of compounding and dispensing medicines by registered pharmacists. We are entitled to have our business or vocation as pharmacists defined legally, and to have it admitted that as practitioners of an important art we are deserving of freedom from control in the performance of our professional functions. Surely it might be made clear in an Act of Parliament that our registration is essential to enable us to practice pharmacy, without any regard to the sale of poisons. If a licence were considered necessary for the vending as distinct from the compounding and dispensing of poisons, I can see no particular objection to the registered pharmacist being required to obtain such a licence like any ordinary trader. But let us have our distinctive business properly and legally defined, and do not let us have to submit to degrading restrictions which will interfere with consolidation of our profession on similar terms, as you so well put it, to other bodies.

## Irish Pharmacists

seem not only able to do themselves well, but also how to make the most of their opportunities of impressing the powers that be. The annual dinner of the Pharmaceutical Society of Ireland, as it is still named, should probably be regarded as a demonstration intended to influence the course of pending legislation, though your report shows it to have been a thoroughly enjoyable social function (*C. & D.*, December 20, p. 776). All the speakers were obviously in their element, and the general tone of the speeches indicated wit and humour delicately masking more serious things. Doubtless our friends in the Irish Free State are no less anxious than we concerning the possible course of events when their long-talked-about Bill is actually under consideration, and all our sympathies should be with them during the period of waiting.

## The Location

of Queen Anne's Bath, mentioned in your issue of January 3 (p. 1), is not difficult to trace. Old Belton Street is still in existence under the name of Endell Street, which extends, as is well known, from Long Acre to Broad Street. The bath was situated at the back of what is now No. 25, which is used as an ironworker's shop. Although tradition connects it with Queen Anne, there is no known evidence that she ever made use of it. The bath chamber had a high groined roof, and its walls were covered with white and blue Dutch tiles, known in the sixteenth century as galley tiles. The premises are employed as a lumber room to-day, and the tiles have altogether disappeared. The spring also is no longer to be seen. The water was supplied from a copious spring, and was of a chalybeate character. A hundred years ago it had a considerable reputation for its tonic properties as well as for its usefulness in the treatment of rheumatism and other disorders.

## It Has Been Suggested

that Queen Anne's Bath was associated with the King's Bath, but the latter was situated farther west on the south side of Long Acre, "in the spot of ground which hath been called by the name of *Salisbury Stables*." It is quite probable that the former was established (that is, in so far as the building is concerned) in the seventeenth century. The date of the establishment of the King's Bagnio is quite definitely known from the account given of it by Dr. Sam. Haworth, in a pamphlet published in 1683. The water supplying the Old Belton Street Bath was the product of a natural spring, whereas that for the King's Bagnio, otherwise called the Duke's Bagnio, was an artificial product and was one of the earliest attempts to manufacture an imitation of a natural mineral water. Haworth's description of the building, with its numerous conveniences, is in practically all respects appropriate to the modern Turkish baths. Retiring rooms, "cooling-off" rooms, the hot rooms with the requisite attendants, as well as the services of a resident apothecary with his diaphoretic liquor for those inclined to faintness, were provided, suitable robes and foot gear for ladies and gentlemen were not overlooked. Dr. Haworth, who was a licentiate of the College of Physicians, was evidently thoroughly versed in all the practical requirements of an establishment of this kind, and his little treatise shows that he equally well understood the hygienic advantages to be derived from a properly regulated course of spa treatment.

## The Idea

of erecting baths of this description seems to have originated in this country with Sir William Jennings, to whom a patent, covering the "Erecting certaine Baines to sweat, wash and bath in," was granted in 1678. The use of an artificial mineral water was due to Haworth himself. He does not tell us what was the composition of his water. This is a matter he did not venture to disclose in a patent; but he is sufficiently frank to let it appear that the virtues of his spa are existent in materials manufactured in his laboratory. This is something more than the public have learned about a few of the spas of the present day. His laboratory was "a narrow room" in which "are Chymic Furnaces, Glasses and other Instruments necessary for making the Bath Waters." The arguments the author uses to defend the employment of accurately compounded mineral waters in preference to the natural varieties, which are often of uncertain and variable composition, are quite forcible.



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## Editorial Articles

### The Protection of the Public

Most men bear with equanimity the hardships of others, the more so perhaps in proportion to the discontent aroused in them by their own misfortunes. Thus Parliament or the departments of state may freely oppress the chemist, the doctor, or, indeed, almost any class of the community—except the bookmakers—without fear or public resentment. Yet chemists must beware lest beneath the increasing burdens laid upon them they lose a sense of proportion. When, therefore, others who have no prejudice in favour of chemists unite in condemning the action of the authorities, chemists can with redoubled confidence maintain that their grievance is just. The "Justice of the Peace" is a journal which has long been widely read by members of the legal profession and others who administer the law. In its columns appeared recently the following observations on the decision of the King's Bench Division in the case of *Davies v. Winstanley (C. & D., December 6, 1930, p. 706)*:—

The wicked chemist went to lunch, and was so lost to all shame that he locked the register of dangerous drugs up in the cupboard with the dangerous drugs themselves. No one suggested that the poor man had any motive other than to prevent the possibility of its being tampered with. Still less did anyone suggest that the register was not properly kept or that any kind of offence or even laxity with regard to dangerous drugs was committed or contemplated, but alas! while he was blissfully chewing his chop, a police officer arrived and asked to see the register. . . .

In the present case we say plainly that, in our opinion, the prosecution was ridiculous, and that, making every allowance for the importance of the Dangerous Drugs Regulations—and we should be the last to minimise the gravity of *real* breaches of them—proceedings of this sort are merely calculated to bring the law into contempt instead of strengthening it.

Nor, with the utmost respect, are we altogether satisfied that the decision was right. Was there any evidence that the register was not "at all times available"? The one and only person required to keep the register or authorised to make entries in it was the appellant; at the one and only time he was asked for it, he produced it. The application while he was out was made to someone who, not being an "authorised person" was neither bound nor entitled to have any such register in his custody: it seems to us that before the register can be said not to be available, application



ought to be made to the person keeping it, since in his absence the premises cannot be open for the sale of dangerous drugs at all. Only if he failed or refused to produce it could it, we should have thought, be said to be not available.

A curious result seems to follow if the decision is right. Since the register is to be available "at all times when the premises are open for business," and since no statute has yet gone so far as to require chemists to keep open at specified hours, it would seem that if the appellant, on going out, had turned the key of the shop door as well as the key of the cupboard, he would have committed no offence. Which is, doubtless, absurd; and therefore not unlikely to be the true result of departmental drafting of regulations.

To borrow the language of the lawyers, we respectfully concur in the observations of our learned contemporary. The King's Bench Division has decided that a chemist's manager is an authorised person within the meaning of the Dangerous Drugs Regulations, whether or not he keeps open shop, and also that a register kept under the Dangerous Drugs Acts must be available at all times when the shop is open for business. These decisions may or may not be good law—and, for our part, we have no hesitation in saying that we think the case was wrongly decided. But what is of greater importance is the encouragement given by the decision to those authorities, local and national, which seem to think that it is a mark of efficient administration to secure convictions in respect of every breach they can discover—or procure—of any statute or regulation. This prosecution does not stand alone. Over and over again chemists are dragged into the police court and solemnly fined for trivial breaches of the letter of the law—to the tune, as a rule, of comment, more or less fatuous, from the Bench about the "importance of the protection of the public." Take, for example, the customary "liniment of turpentine" prosecution under the Food and Drugs (Adulteration) Act. Such cases are seldom, if ever, brought except in a district in which liniment of turpentine of the British Pharmacopœia is rarely prescribed and still more rarely sold over the counter; where the average member of the public who asks for a turpentine liniment would probably be annoyed if he received the strongly smelling liniment of the British Pharmacopœia in place of the weaker embrocation to which he is accustomed. It is, of course, perfectly true that a careful chemist who receives an ambiguous demand should make inquiries before he attempts to supply. But our point is that the omission to make inquiry in such a case is an error so venial that it should never be the subject of criminal proceedings; and insult is added to injury when the chemist is told in open court, and the statement backed by a sharp fine so that he shall not forget it (and echoed in the newspapers so that his customers shall not), that he is the sort of person against whom the "public needs to be protected." It may be highly important that the public should be protected against, for example, bankers who wrongfully dishonour their customers' cheques. Yet what would be the resentment of the bankers if, in addition to their civil liability to make good to their customers any loss due to negligence—a liability which they share with chemists—the manager or director of a bank in which a cheque was wrongly marked "R.D." could be haled into a police court, and there informed by a chairman of justices (who possibly could not add up a column

of figures without at least one mistake) that the public must be protected, and that there would be a fine of £10, with costs? In our judgment it is time that the courts paid greater attention to the fact that one of their functions is the protection of defendants against unnecessary proceedings, and the sooner that such proceedings result in a fine of, say, 6d., and the comment that it is a waste of public money to have brought them, the better for the State.

### "Chartered Chemists"

THE Council of the Institute of Chemistry intends to submit, for the approval of the members, the draft of a petition and supplemental charter at a general meeting to be held on March 2; and, if the draft is approved, to proceed with the petition for the supplemental charter. In Clause 2 of the petition to the King's Most Excellent Majesty in Council, the petitioners state:—

"That the Institute has continuously throughout its existence of more than fifty years and for forty-five years since the grant of the Original Charter carried out the objects of the said Charter and has provided the Government and the public with means of recognising those who have been properly trained and competent to practice chemistry as a profession, and has taken steps to secure that all persons before being admitted as Corporate Members of the Institute shall possess such knowledge and skill as should be possessed by such as are competent to practice such profession and shall be of good reputation."

With the exception of a few unimportant words, other than the insertion of the word "actively" before "carried out the objects," this clause becomes Paragraph 2 of the proposed charter. It must be obvious that if such supplemental charter be granted, there should be a clear provision by which it should be impossible for the Institute to grant its membership and the proposed style "chartered chemist" to any person except those passing the recognised examinations, and all well-wishers of the Institute will do well to press for this proviso. We would ask the following questions:—

- (1) How many of the present members of the Institute of Chemistry have been admitted without passing the recognised examinations of the Institute?
- (2) Is there any means for the Government or the public for recognising such members as differentiated from those who have passed the regular examinations?
- (3) Were certificates of competency concerning therapeutics and microscopy, etc., as required by the general order of the Local Government Board of March 7, 1900, issued to any members without their passing the necessary examination, and were any or all of these—if any—returned by members or otherwise cancelled?

It is obvious that the answer to these questions would assist in forming an independent opinion as to the extent of the proper meaning and interpretation of the paragraph we have quoted. Among the "reasons" for the petition adduced are:—

"That the Institute is the only Body Incorporated by Royal Charter with power to grant Certificates of competency to persons engaged in the said profession of chemistry, and although those who practise this profession cannot be properly described by any other title than that of chemists, they are confused with pharmacists, and are, therefore, at a great disadvantage in that they have no definite title to distinguish them from pharmacists and other persons engaged in the business of dispensing and retailing poisons, drugs and medicines."

The question naturally arises as to what is in actual fact the confusion with pharmacists. Is not the clause which occurs both in the petition and in the charter sought for, which states that "Government Departments, Corporations, Public Companies and others requiring the assistance of persons competent to practise

in chemistry look to the Institute to guarantee the competency of such persons" an almost unanswerable argument that no such confusion exists except in the mind of some small section of the public who never employ the services of the analyst or consulting chemist? Whom will the new title of "chartered chemists" benefit? So far as we can see, it will go little further than informing the general public that So-and-so is a chartered chemist and is not a chemist who keeps open shop, and will have no influence with the great mass of those who habitually employ the services of the consulting chemist. It is true that the charter safeguards the interests of the pharmacist by not authorising the chartered chemist to keep open shop, etc., but is it true that the interests of the members of the Institute of Chemistry are safeguarded? The charter contains no proviso for the removal of members from membership of the Institute, and it cannot be suggested that the Institute itself has ever framed adequate regulations capable of intelligent interpretation in deciding whether a member can be expelled or not. If the public are the persons to be satisfied, it is at least their due to know that the "chartered chemist" has passed the examinations of the Institute of Chemistry.

### The Position of Citric Acid

IN order to complete the article which appeared in our issue of December 6 (p. 720) dealing with the situation in Sicilian citrate of lime and lemon oil, it is also necessary to survey the position of citric acid, which is directly associated with calcium citrate. The price of citric acid has recently experienced a sharp cut, and to-day the Italian manufacturing Combine is quoting 1s. 1½d. per lb., less 5 per cent. c.i.f. London. This is, no doubt, in part due to the large stocks that they hold and also the heavy stocks of raw material held by the Camera Agrumaria—the stocks of the latter to-day amounting to some 8,600 tons, or nearly double that of the previous year. It was about ten years ago that a paper was published in America dealing with the possibilities of making citric acid synthetically by the fermentation process, which, although causing a certain anxiety to the manufacturers of citric acid from citrate of lime, was still in the laboratory stage, and so remained for many years—lulling them into a false sense of security that such a process was unlikely to be a commercial possibility. However, in 1928, one began to see exports of citrate of lime from America to this country, and in that year some 1,000 tons were exported, and this quantity was practically doubled in 1929. America has, for many years past, been manufacturing some citric acid from home-produced citrate—the pioneers being the Californian citrus industry—but it was in a comparatively small way, and even to-day this source only provides about a quarter of the needs of the U.S.A. in citric acid, but since the development of the synthetic product there, the United States are able to manufacture their entire requirements, and instead of being a large importer a few years ago their imports in 1930 were practically nil. A very big outlet has thus been closed to the European manufacturers. It was in 1928 under the Mussolini scheme for the development of Italy that the Government decided that, with the practical control of the world's supply of citrate of lime, the manufacturers of citric acid in other countries should be rationed in the quantities that each was to receive, so that the Italian factories could thus do the bulk of the manufacturing, but, as events have fashioned themselves, the Italian factories have, in self-defence, obtained an interest in the European synthetic industry and are striving to eliminate, as far as possible, unnecessary

competition between the two groups. With one of the largest consuming countries now entirely independent of Sicily for supplies, the stocks of both citrate and citric acid have gradually piled up, until to-day the Sicilian position is unenviable. The Camera Agrumaria (the State organisation that controls the production of the crude material) fix the price which the citrate producers shall receive for deposits lodged in the Government warehouses, and, until recently, paid the depositor three-quarters of the day's price, retaining 10 per cent. of the remaining quarter to form a reserve fund, and paying the balance to the depositor when the citrate was sold. Each delivery was taken in rotation so that the oldest deposit was the first to be sold. However, in April 1930, owing to the price being reduced during the season from lire 700 to lire 475 per quintal the Camera announced that it would forgo its 10 per cent. and would pay the whole of the balance to the depositors, which would entail a sacrifice to them of about three million lire. Stocks continued to accumulate, despite the reduction in the price, and to-day the Camera—with a price of lire 400—no longer make any cash advance to the depositor of citrate, and, as in many cases, the growers of the lemons are paid "in kind" by the citrate producers—some four to five kilos of citrate for every thousand lemons on the trees—these people have been forced, in some instances, to sell their Camera "deposit receipts" to speculators, and under 300 lire per quintal (100 kilos) has been paid for the receipts—which leaves the growers about 2s. per 1,000 lemons! What is to be the outcome is a question that sorely perplexes those interested, for, there is no doubt that the synthetic acid can still be produced profitably even if the price has a further substantial decline. America is unlikely to lead the way to a price-cut, however, as they thrive under a protective duty of 17 cents per lb., which would have to be entirely sacrificed if they attempted to sell in other markets in competition with Europe. Is there any immediate hope that a demand will spring up to relieve the Italian makers of their stocks, so that they, in turn, can relieve the Camera of their dead-weight of basic material? The following tables of imports into the U.K. for the past five years of both calcium lime and citric acid are interesting and show to what extent the United States has supplanted Italy in the supply of raw material:—

CALCIUM CITRATE

Country	1925	1926	1927	1928	1929
	cwt.	cwt.	cwt.	cwt.	cwt.
Spain .. ..	102	1,066	2,766	—	—
Italy .. ..	38,498	48,789	40,143	20,415	23,126
United States ..	—	—	—	19,905	39,070
Other foreign countries ..	—	—	—	1	—
Total from foreign countries	38,600	49,855	42,909	40,321	62,196
Total from British countries	30	32	60	—	1
Total .. ..	38,630	49,887	42,969	40,321	62,197
Value .. ..	92,902	124,281	143,338	148,666	259,447

CITRIC ACID

Country	1925	1926	1927	1928	1929
	cwt.	cwt.	cwt.	cwt.	cwt.
France .. ..	145	201	340	441	222
Spain .. ..	100	—	—	440	—
Italy .. ..	6,596	4,955	5,375	9,334	12,248
Other foreign countries ..	136	420	308	600	51
Total from foreign countries	6,977	5,576	6,023	10,815	12,521
Total from British countries	10	—	—	—	1
Total .. ..	6,987	5,576	6,023	10,815	12,522
Value .. ..	49,261	36,254	39,989	104,392	131,450



# Pharmaceutical Society of Great Britain

## Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on January 7, Mr. A. R. Melhuish (president) in the chair. Messrs. Antcliffe and Skinner were the absent members. In the course of the proceedings the president mentioned that Mr. Antcliffe was suffering from rheumatism.

### TUESDAY'S PROCEEDINGS

The business dealt with by the Council at their meeting on January 6 included the following items, particulars of which have been officially supplied:—

It was agreed that the customary subscription of £10 10s. should be sent to the Royal Botanic Society of London.

Dr. Hofman, secretary of the International Pharmaceutical Federation, wrote asking whether the Society has any subjects to suggest for discussion at the Prague meeting in 1932. It was agreed to suggest that an inquiry should be undertaken to obtain particulars of the extent of qualified and unqualified practice, respectively, in the countries represented.

Resolutions concerning the Pharmacy and Poisons Bill were received from the Leeds Branch, the Cardigan, Carmarthen and Pembroke Branch, the Dundee and East and Central Scottish Branch, and the Scarborough and District Branch. Further consideration of these letters was deferred until the meeting of Council, when all the suggestions for amendment will be considered.

The Council authorised the publication of the Supplement to the British Pharmaceutical Codex containing formulas for five preparations containing diamorphine, which it is understood may be exempted from the provisions of the Dangerous Drugs Acts and Regulations.

The PRESIDENT reported to the Council the results of a number of informal interviews he had had with the secretary. The president asked that the Council should agree to the appointment of a small Committee, members of which would be available for him to consult in an emergency, and who would share with him, between meetings of Council, the responsibility for any decisions that might have to be made. The Council agreed that the following members of the Society should be asked, with the vice-president and the secretary, to assist the president in the way indicated:—Messrs. Mallinson, Neathercoat and Skinner.

A list of Branch meetings for discussion of the Pharmacy and Poisons Bill prior to January 28 has been drawn up, and it is stated that there is still time to arrange other Branch meetings.

The report of the Law Committee stated that, since the last report, 812 shops have been visited in England and Wales; of these, 649 were chemists' shops. In all the chemists' shops a certificate was exhibited. At twenty of the remaining 163 shops certain infringements of the Pharmacy Acts were reported, and these were considered by the Committee. In Scotland, since the last report, 78 shops have been visited. In 76 shops certificates were exhibited.

Particulars of fourteen prosecutions for irregularities in the sale of disinfectants were given.

### NEW YEAR GREETINGS

The PRESIDENT, before the business of the meeting on January 7, extended wishes for a very happy and prosperous New Year to the members of the Council, and also to the secretary and staff of the Society and the representatives of the Press, his greeting being heartily reciprocated by all concerned.

### DEATHS

The PRESIDENT said his next duty was to refer to the deaths of several men prominent in pharmacy: Mr. Alfred Hershberg, and Mr. A. J. Pidd, both of Manchester, Mr. John Padwick, of Brighton, and Mr. D. A.

Evans, of Bath. Mr. Hershberg, he recalled, was for fourteen years secretary of the Manchester Pharmaceutical Committee, and a very popular personality in that city, whom he (the president) had the pleasure of knowing intimately for a good many years. Mr. Hershberg was very well known and highly esteemed in pharmaceutical circles. Mr. Pidd, who was a very genial and lovable personality, had died at a ripe old age. He was intensely popular with his colleagues, all of whom were also his friends. Then there was Mr. Padwick, who qualified as a pharmaceutical chemist before the passing of the Pharmacy Act of 1868, and for very many years was an officer of the Brighton and Hove Association, and closely associated with pharmacy in Brighton. Mr. Evans was prominently associated with the Conference at Bath. He (the president) was sure the Council would receive the news of the passing of these pharmaceutical workers with very much regret. (Hear, hear.)

Mr. SIMMONS wished to be especially associated with the president's remarks regarding Mr. Hershberg and Mr. Pidd, both of whom were valued very highly in Manchester and had left gaps which it would be very difficult indeed to fill.

### ELECTIONS AND RESTORATIONS

Forty-eight persons were elected members of the Society, and one was restored to the register. Nineteen persons were elected as student-associates. The registrar reported that fifty-six persons had been registered as apprentices or students.

### SCOTTISH VISITOR'S REPORT

A letter was read from the Privy Council, enclosing a copy of a report, by Dr. Ralph Stockman, on the examinations held by the Scottish Board of Examiners during 1930. The report included the following passages:—

*Preliminary Scientific Examination.*—At the January examination 74 candidates were entitled to appear under the old regulations, and of these 53 passed, 11 failed and 10 were referred. All other candidates examined in 1930 were under the new regulations. Number of candidates examined, 533; passed, 225 (38.5 per cent.); failed, 239 (41 per cent.); referred, 119 (20 per cent.). The number of candidates who failed in all three subjects was 167.

*Chemist and Druggist Qualifying Examination.*—Under the old regulations 84 candidates were examined. Of these, passed, 49 (58 per cent.); failed, 16 (19 per cent.); referred, 19 (22 per cent.). Under the new regulations, candidates, 522; passed, 272 (52 per cent.); failed, 120 (23 per cent.); referred, 130 (25 per cent.). Out of the total of 606 candidates, 216 (35.6 per cent.) failed to pass in pharmacy. Of those referred in one subject only, 100 failed in pharmacy, 34 in pharmaceutical chemistry, 12 in pharmacognosy, and three in forensic pharmacy.

The Council of the Society has devoted a great deal of time and thought to the question of improving their examinations, and their new regulations are now in full operation. It is doubtful, however, if the teaching schools have responded adequately on the whole to the changes. Speaking generally, the standard of teaching and education for a technical training should be somewhat higher than the examination requirements, but to judge from a perusal of many of the written answers and the percentage of passes the reverse is the case here. Many of the candidates show an inability to express themselves clearly and adequately in writing, and it is evident that they have had little or no previous practice. . . . Many of the candidates had a very limited knowledge of prescription Latin, and one had no knowledge whatever of Latin of any kind. This surely indicates laxity on the part of their teachers. . . . The Board of Examiners for England and Wales has published a valuable critical report on the results of the examinations for the year 1929.

*Pharmaceutical Chemist Qualifying Examination.*—In each paper set in botany, chemistry, pharmacognosy and pharmacy there is one question in the French or German

language—eight questions in all—and it is compulsory to answer these. Failure to answer them means the total loss of marks for eight questions, and this seems to me a very severe handicap. In 1930 there were 18 candidates: Passed, 1; failed, 14; referred, 3. The fact that only one candidate out of 18 was successful in passing this examination suggests that there is something amiss either with the candidates, or the teaching, or the examination itself. I have never heard of any other examination in this country in which the "pass" was so low, and presumably all the candidates had hoped to pass and had undergone special courses of instruction. In my two previous reports I have tried to draw the attention of the Council of the Society to what I consider defects in this examination. It seems to me to be modelled too closely on the B.Sc. examination of the Universities, to be too diffuse, and not sufficiently vocational.

I would respectfully suggest that the Council should reconsider the whole scope of their syllabus and should shorten the time actually devoted to examining, which in my opinion is much too prolonged and puts too severe a mental and physical strain on the candidates and so prevents them doing their best. The arrangements and the conduct of the various examinations were in every way satisfactory.

Mr. PECK said the Education Committee had had very long and useful discussion on the report, and had drawn up a series of recommendations which they hoped to submit to the Council at the next meeting and which dealt very largely with the matters brought to the notice of the Council in Dr. Stockman's report.

Mr. ROWSELL said he thought the report needed the very careful consideration of the Council, and he suggested it should be referred to the Education Committee.

The Council agreed to the adoption of this course.

#### OVERSEAS GREETINGS

Greetings were received from the Pharmacy Board of Queensland, the Pharmacy Board of Tasmania, the Pharmaceutical Society of Ireland, and the President and Council of the Pharmaceutical Society of Northern Ireland.

#### EDUCATION COMMITTEE

The Education Committee reported that they had approved certain schools for examination subjects. The report was adopted.

#### BENEVOLENT FUND COMMITTEE

The report of this committee showed that fourteen applications had been considered and grants made ranging from £5 to £30. The committee had considered the practicability of recommending the payment of a Christmas bonus to annuitants in accordance with the custom of the past few years. The Committee recommended that a Christmas gift of £10 be paid to each of the annuitants, with the exception of the five to be elected on the following day. In these cases the bonus should be £5.

The following special contributions were acknowledged:—Cheltenham & District Branch, £50; Taylor's Drug Co., Ltd., £50; W. C. Sayers, £10 10s.; South-West Metropolitan Branch, £10 10s.; Jas. Downing, £5 8s. 9d.; W. W. Pring, £5 7s.; Cardigan, Carmarthen & Pembrokeshire Branch, £5; Exeter & District Branch, £3 5s. 5d.; London Chemists' Golfing Society, £3 3s.; H. R. Fletcher, £3; C. B. Harrison, £2 19s.; Scarborough & District Branch, £1 6s.; H. E. Herington, 10s. 6d.; Schering, Ltd., £5 5s.; A. W. Edwards, £2 2s. *Orphan Fund*.—Cardiff Branch, £60.

Mr. BEARDSLEY said the committee were very gratified to receive these contributions, and wish to extend thanks to those responsible for them. He submitted the list of subscriptions for 1930, and regretted that so many branches had fallen so low in the average per member. Some of them had dropped to 3s. or 4s. per head. When it was remembered that last year ended with a deficit, he hoped that a special effort would be made in these difficult times to keep the fund in a satisfactory condition. He wished to draw attention to the efforts of Cheltenham, whose members had subscribed over £1 per head, and his own district, which was fourth on the list had contributed 10s. 6d. per head. The report was adopted.

#### WAR AUXILIARY BENEVOLENT FUND

The committee of this fund reported that they had received two applications during the month, and made a grant of £26 in one case. The report was adopted.

#### FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting amounted to £8,778 10s. 7d., comprising the following items:—Subscriptions, £219 14s. 3d.; registration fees as apprentice or student, £153 6s.; examination fees, £3,677 2s.; restoration fee, £1 1s.; certificate of qualification, £1 1s.; School of Pharmacy, £70 2s.; Pharmacological Laboratories, £267 14s. 9d.; penalties, £163 2s. 6d.; "Pharmaceutical Journal," advertisements, etc., £1,548 2s. 6d.; Quarterly Journal, £35 14s.; "Pharmaceutical Pocket Book," £13 7s. 5d.; Year-Book Index, £1 5s.; Registers, 12s.; examination questions, £6 7s. 2d.; Pharmaceutical Press publications, £15 5s. 1d.; B.P. Codex, £62 6s. 3d.; "Forensic Pharmacy," £14 13s. 9d.; rents and interest, £3 17s. 11d.; F.S.S.U., £22 10s.; sundries, £1 6s.; loan from Benevolent Fund, £2,500. Payments ordered at the last meeting amounted to £6,783 5s. 5d., and there was also an adverse balance on that occasion of £1,989 13s. 11d., leaving a balance of £5 11s. 3d. The balances on the other accounts were:—Benevolent Fund (current account), £45 6s. 10d.; Benevolent Fund (donation account), £36 4s. 9d.; War Auxiliary Benevolent Fund, £39 18s. 6d.; Orphan Fund, £37 17s. 11d. The report recommended that accounts amounting to £8,730 5s. 10d. be paid, and that the action of the secretary in making payments amounting to £1,195 5s. 4½d. be approved. The report was adopted.

#### NOTICE OF MOTION

Mr. PARRY, in the absence of Mr. Antcliffe, gave the following notice of motion:—"That pursuant to By-law 2, of Section 14, the name of Stephen Stephenson, of Liverpool, be removed from the roll of members of the Society, he having failed to satisfy the Council in regard to the charge of conduct contrary to or subversive of the interests of the Society, which has been brought against him in due form and considered."

#### CHELSEA PHYSIC GARDEN

Mrs. FREKE said she had been asked by the Chelsea Physic Garden Committee to thank the Council for their continued interest and support. Sir William Collins had also asked her to congratulate the Society on their efforts to improve the type of examination and of the students accepted.

The President expressed the Council's appreciation. This was all the public business.

#### Branch Meetings

**Blackpool.**—A meeting of the Blackpool Branch was held on December 11. Mr. H. Antcliffe (a member of the Society's Council) gave an address on *The Draft Pharmacy and Poisons Bill*. Before dealing in detail with the draft Bill, Mr. Antcliffe drew attention to the constitution and terms of reference of the Departmental Committee on the Poisons and Pharmacy Acts which, he suggested, fell short of what was required. As the Bill stood, it was impossible to accept it. In taking the Bill clause by clause, it was found to contain several desirable additions to the pharmacy and poison laws, but at the same time there were several pitfalls. The title of chemist would certainly have to be more closely defined. Every effort, he said, must be made to protect the rights of the qualified chemist. Mr. Antcliffe also thought that sales by wholesale should be restricted to authorised persons, hospitals, etc. On the motion of Mr. Huddart, supported by the president and several members, a hearty vote of thanks was accorded Mr. Antcliffe. It was resolved that the Blackpool Branch place their confidence in the Council of the Society to deal with the Bill, and will render all possible assistance.



**Ipswich.**—The seventh annual meeting of the Ipswich and Suffolk Branch of the Pharmaceutical Society was held recently, Mr. G. W. Hales presiding. The following officers were elected for the ensuing year:—*President*, Mr. S. J. Stearn; *Treasurer*, Mr. J. A. Symonds; *Secretaries*, Misses Bradford and L. M. Humfress; *Committee*, Messrs. J. Cornell, Collins, Smalley, J. C. Wiggan, G. W. Hales, Banks and Davies. A social subcommittee was elected to deal with sports. Questions for discussion included a grant from the Branch funds to the Hockey Club and plans for the play for the Grimwade golf cup.

**Leicester.**—The Leicester and Leicestershire Branch held a meeting recently to consider the report of the Departmental Committee on the Poison and Pharmacy Acts. The president (Mr. Westhead) said that in the absence of any lead from the Council he thought the best thing to do was to discuss the Report. This was done, the majority of the members taking an active interest. While agreement was expressed with many of the clauses, exceptions were taken to the following:—Clause 6 (i) should read, "That it shall be necessary that by-laws be confirmed by a special general meeting of members of the Society, and if necessary a vote of each member recorded by post." Clause 7 (ii), the title "chemist" should be rigorously fought for. Clause 13, the name of the Home Secretary should be deleted, the words "Privy Council" being substituted, the clause to read: "That the Central Authority for Poisons be the Privy Council," etc. The following resolution was unanimously passed:—"That only chemists should be retailers of poisons, except those poisons used for industrial and manufacturing purposes only, the list of these to be limited."

**Scarborough.**—As a result of meetings of the Scarborough and District Branch of the Society, held

recently, the following resolution has been forwarded to the Society:—"This Branch protests strongly against the draft Bill in its entirety, and considers that it cannot be satisfactorily amended, and that a new Bill should be drafted on the lines set out in Mr. Gamble's minority report. This should be published or copies sent to the branches by the end of this year, so that delegates can be finally instructed before the date of the proposed meeting on January 28, 1931."

**Swansea.**—A meeting of the Swansea, Neath and Port Talbot Branch was held on January 5, Mr. J. S. Gilbert in the chair. The draft Pharmacy and Poisons Bill was fully gone into by the chairman, and questions, mostly concerning Part II, Poisons, were answered. Mr. C. R. Dickens (secretary) read a resolution from Newport chemists who had opposed the Bill in its entirety. Those present could not agree with Newport's action, and it was decided unanimously to support the amended Bill, as set out by the Council, as being the safest way to proceed. The chairman referred feelingly to the loss sustained through the death of Mr. Ivor Jones (Neath), and the company showed their respect by standing in silence.

**Warwickshire.**—The Warwickshire Branch met at Leamington Spa, recently, the principal business being discussion of the draft Pharmacy and Poisons Bill. In disposing of the ordinary routine business it was, *inter alia*, resolved to hold the annual social gathering in June, 1931, and to make the occasion an opportunity of exploring the Cotswold Hills. The treasurer gave a satisfactory report of the finances of the Branch. After a full discussion on the draft Bill it was resolved to communicate with the Society on points which appeared to require further consideration.

## Pharmacopœia Revision

### Comments on the Report of the Pharmacy Subcommittee

*The following is the tenth and last instalment of comments on the Report of the Pharmacy Subcommittee of the Pharmacopœia Commission sent in response to our request. The ninth instalment appeared in the C. & D., Jan. 3, p. 7.*

By I. S. Amin, B.A., B.Sc. (Chief Chemist, The Alembic Chemical Works Co., Ltd., Baroda)

THE recommendations of the subcommittee in the main will be approved by the pharmacists, as they make improvements in the present methods of manufacture of B.P. medicinal drugs.

**ALCOHOL.**—A change from 90 to 96.5-per-cent. strength, if a change is to be made, would have been more suitable, as the present distillation apparatus gives 96.5-per-cent. strength of alcohol.

**EXTRACTS AND LIQUID EXTRACTS.**—The process of repercolation is to be deleted, but generally in practice one employs an extraction battery of a continuous type, as in preparing a liquid extract the use of simple percolation will leave chances of the drug not being completely exhausted. As the recovery of spirit can be done in dreg stills or in the battery itself, the loss of spirit is greatly reduced.

**EXTRACTUM ALOES.**—It is advisable to remove the possibility of the drug being injured in concentration under ordinary pressure by applying vacuum distillation and drying under reduced pressure. Pressure and temperature should be made definite.

**EXTRACTUM CINCHONÆ.**—The introduction of this would be welcome as a stock extract, but one has to see how far manufacturers would make use of this in the manufacture of tinct. cinchonæ co. instead of manufacturing it direct from the bark and then standardising it.

**EXTRACTUM COLCHICI SICCUM.**—The change in manu-

facture is necessary, as it is difficult to obtain the fresh colchicum corns.

**EXTRACTUM GLYCYRRHIZÆ.**—Evaporation to a soft extract should be conducted in a vacuum.

**EXTRACTUM NUCIS VOMICÆ LIQUIDUM.**—The defatting process after the removal of alcohol is an improvement.

**GLYCERINS.**—The use of glycerin by weight instead of volume is most welcome.

**LINIMENTUM CAMPHORÆ.**—Use of arachis oil or sesame oil, being much cheaper, should be made.

**MUCILAGES.**—Use of chloroform water instead of distilled water is an improvement.

**LIQUOR AMMONII ACETATIS CONCENTRATUS.**—Why not keep the usual current concentration of 1:7 instead of 1:8 as suggested?

**SYRUPUS FERRI IODIDI.**—Use of dilute hypophosphorous acid instead of glucose as a reducing agent or preventive to oxidation is an improvement.

**SYRUPUS FERRI PHOSPHATIS COMPOSITUS.**—Cochineal should be replaced by a stable harmless artificial pink colour, as it is likely to fade owing to the presence of slight phosphoric acid.

**TINCTURA CARDAMOMI COMPOSITA.**—Cochineal alone would not be a suitable colour, as it fades in acid mixtures. Cudbear alone or a mixture of both would be most welcome. Tinct. cardamomi co. is used more as a colouring ingredient, hence a stable colour is necessary.

**TINCTURA CINCHONÆ COMPOSITA.**—A stable colour like cudbear is desirable.

**TINCTURA IPECACUANHÆ.**—The use of vinum ipecac. has become so common, that the change would not be welcomed by medical men.

## Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

### QUALITATIVE ANALYSIS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, January 13, on which day the samples will be posted. Students' reports will be received up to Saturday, January 24. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the third exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who have not passed in Chemistry in the Preliminary Scientific examination in Great Britain, in the Licence examination in the Irish Free State, or in Chemistry, Part I, in Northern Ireland, which fact *must be attested on their reports*. They will not be awarded to former winners of tournament prizes.

### Report on the December Analytical Exercise

THE powder distributed to students on December 2 contained one part by weight of cupric hydroxycarbonate, one part of bismuth oxycarbonate, and eight parts of sodium bicarbonate. The calculated composition of such a mixture is:—

Cu ... ..	5.7
Bi ... ..	8.1
Na ... ..	21.9
CO <sub>3</sub> ... ..	61.0
H, O, OH, and H <sub>2</sub> O ... ..	3.3

100.0

The powder also contained, as impurities, distinct traces of the hydrochloric and sulphuric acid radicals, and it yielded a faint indication of the presence of an ammonium compound.

Samples of the powder were distributed to fifty-two students and twenty-eight reports were sent in for examination. Copper was the only constituent detected by every correspondent. Bismuth was missed in seven cases, sodium in two, and the carbonic acid radical in one. The trace of ammonium was not reported in any instance. The total proportion of water expelled when the powder was gently heated—consisting partly of hygroscopic moisture and partly of water formed during the decomposition of the several salts—was small: it was overlooked by seventeen students.

Bismuth was the only main constituent of the mixture which was likely to escape detection when due attention was paid to the effects of the various operations carried out throughout the analysis. The simplest preliminary tests revealed the presence of copper, sodium, and the carbonic acid radical, while the more or less fortuitous admixture of water with the original solution in hydrochloric acid which occurred at the hands of several students caused the precipitation of bismuth oxychloride and so suggested the presence of bismuth or

antimony. Other preliminary indications pointing to bismuth were also observed in a few cases.

The failures in the detection of the bismuth in the systematic analysis were mostly due to one or other of two causes; the first being that the solution through which hydrogen sulphide was passed in order to precipitate Group II sulphides contained so much free hydrochloric acid that the bismuth escaped precipitation either partially or completely, and the second being the obscuration by the deep-blue cupric solution of the rather inconspicuous precipitate of bismuth hydroxide which separated on the addition of ammonia in excess to the acid solution of the Group II sulphides. The readiness with which bismuth sulphide is dissolved by moderately concentrated hydrochloric acid constitutes a possible source of error which it is always necessary to be on guard against. It seems probable that bismuth still remaining in solution after filtration from Group II sulphides was responsible for reactions afterwards attributed to nickel, zinc, or magnesium.

In connection with so-called "confirmatory" tests for bismuth reported by one or two students, we should like the latter to distinguish (as we have to do occasionally in reports) between reactions examined in test-tubes in the laboratory and reactions evolved solely at the writing-table, and to observe that much circumspection is necessary in devising reactions of the last-named variety so that they may be in accord with realisable fact. The hydrochloric-acid solution of the original powder has been represented in writing-table tests, as yielding (1) with potassium iodide a brown precipitate which dissolved in excess of the precipitant, and (2) with potassium chromate, a yellow precipitate which dissolved in nitric acid; whereas the facts, as ascertainable by actual laboratory tests, are that, *in the acid solution referred to*, neither potassium iodide nor potassium chromate yields any precipitate.

### PRIZES

The First Prize for the best analysis has been awarded to:—

MARGARET W. NIVEN, c/o Jolly, 87 Gray Street, Broughty Ferry, Angus.

R. W. FAIRBROTHER, Melton Mowbray, being disqualified as a former tournament prize winner, the Second Prize has been awarded to:—

RONALD HUTTON, 22 Grange Avenue, Marsden, Huddersfield.

*First Prize.*—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

*Second Prize.*—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the publisher, naming the book or books they select.

### MARKS AWARDED FOR ANALYSES

1. *Correspondents who have not passed in Chemistry:—*

M. W. Niven (1st Prize) ... ..	97	Prof. P. ... ..	88
R. W. Fairbrother ... ..	96	Hopeful ... ..	84
R. Hutton (2nd Prize) ... ..	95	Verda.l ... ..	79
Acridlavine ... ..	94	Oben ... ..	78
Norvic ... ..	94	G. H. ... ..	76
A. O. P. ... ..	94	No. 53 ... ..	74
North Regional ... ..	93	Tryer ... ..	68
Pekay ... ..	91	Galena ... ..	65
Roygbiv ... ..	89	Live and Learn ... ..	53

2. *Correspondents who have passed in Chemistry or who have not indicated that they have not passed:—*

Paddy ... ..	96	P. H. D. ... ..	89
Optico ... ..	93	Quaesitor ... ..	89
Teragram ... ..	92	Mist ... ..	88
Allegro vivace ... ..	91	W. J. P. M. ... ..	88
Jap ... ..	91	A. F. Mattock ... ..	74

(To be continued.)

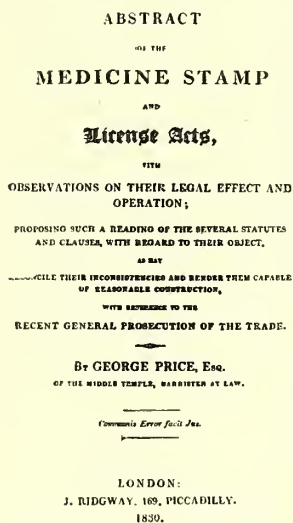


## George Price

By Antiquus

THE interesting article by Mr. Humphrey in *THE CHEMIST AND DRUGGIST* recently, entitled "A Centenary Worth Recording," tempts me to add a few paragraphs relating to the lawyer whose aid to pharmacy a century ago may be absolutely unknown, and hence ignored by those unacquainted with the historic aspects of forensic pharmacy.

Ever since the time when the then Mr. (later Sir William) Glyn-Jones, in investigating the "known, admitted and approved" exemption as affecting pharmacy in its relation to the stamped medicines, found amidst the treasures of the British Museum a diminutive tract on the subject by George Price, I have been searching for any scrap of information, family, social and legal, associated with this personage. The result has been sparse, but the sum total is given here, with the hope of additional matter, should further quest succeed. The title-page of this pamphlet is reproduced, and in effect tells its own tale for the moment.



12s. 6d.  
TITLE-PAGE OF PRICE'S "ABSTRACT"

period between 1820 and 1830 was a troublesome one for the general retail drug trade, owing to the numerous prosecutions for infringements of the provisions of the Medical Stamp Acts; it may be that Price was engaged as defending counsel in many of these cases. An insight into the nature of these proceedings is afforded by the remarks made by Mr. Hobhouse, the member for Westminster, in a speech reported in pages 89-92 of Volume II of Hansard. He was asking leave to present a petition against the 1830 Stamp Bill, from the chemists and druggists of London and Westminster and the Borough of Southwark, and spoke as follows:—

"The principal intention of the Acts which imposed a stamp duty upon certain medicines was undoubtedly to protect patent medicines from the fraudulent substitution of quack compounds . . . but such was the latitude of its wording that every possible medicine might be made subject to duty, and if that duty were not paid the vendor was liable to a criminal information. . . . No fewer than 381 persons were served with Exchequer writs for offences against the Medical Stamp and Licence Acts . . . and this for selling such things as carbonate of soda, tolu lozenges, friar's balsam, etc., without a label, or for being a few days without a licence, and so on."

My supposition is that the issue of "Abstract of the Medical Stamp and Licence Act . . ." was the result of a varied experience gained by being closely associated with the incidence of the statutes in and out of the courts. Whatever may have been the inducement for publication, the tract is a cultured elucidation of the statutes and at the same time a vigorous defence of the position of the chemists of the period.

The records of the Middle Temple, of which Price was a bencher, record him as being the second son of William Price of Presteigne, Radnor, Esquire, deceased. He was admitted on December 14, 1807, and called to the Bar on February 7, 1812. His name last appeared in the Law List for 1844. He was doubtless a literary lawyer, and presumably editor of Price's Reports in the Exchequer Court, 1814-24, in thirteen volumes. The initial volume is dated August 14, 1814, and as from Hall Porch, Middle Temple. The editing of these volumes would no doubt occupy a considerable portion of his time, apart from the work in the courts which may have fallen to his lot. The

## Sicilian Liquorice

LIQUORICE root is collected in all the northern Mediterranean coasts, in Asia Minor (Smyrna), in Turkestan and Afghanistan, as well as in Calabria (Coseiza) and Sicily (principally in Catania), Irak, Persia, etc. This perennial plant grows in sandy ground, and reaches a height of one metre. The rhizome contains from 6 to 7 per cent. of glycyrrhizin (ammonium salt). The only part of the plant which is used is the rhizome, which is dug up after the first autumnal rains, generally about September, and the main root stock of the plant is left undisturbed. The Catania drug contains more saccharine matter than the Smyrna; but the latter is of more value, as the Sicilian usually has a bitter after-taste. The plant in Sicily is generally cultivated by peasants, and put on the market by Catania brokers. The root is sold in bales, and must be protected carefully from damp. In Sicily, since manufacture of the extract in the interior has gradually declined, factories making liquorice juice are only to be found in Catania, with the exception of a small factory in Messina. The factory of Coco-Testa, recently leased by Edgar Wolter, besides C. B. Fichera and a few smaller ones make mainly blocks and sticks. The firm of Salmons manufactures powder and pastilles. There is a small factory in Messina (and also the large firm of Barracco, in Calabria), which makes liquorice in sticks. Liquorice comes on the market in four forms: (1) unpeeled and cut root (*punte nere*), at present quoted at about 230 lire per 100 kg.; (2) peeled, cut root (*punte bianche*), at from 380-400 lire per 100 kg.; (3) purified and solid extract, in blocks, at about 600 lire per 100 kg.; (4) powdered extract at about 800 lire per 100 kg. all f.o.b. Catania. The market at the present time is depressed owing to Germany not buying. Sicilian exports go chiefly to North Europe, followed by Canada, the U.S.A., and Australia. In recent years exports have declined, and since 1924 have been as follows, amounts in kilos and values in 1,000 lire:—

		Liquorice root		Liquorice juice	
		kilos	1,000 lire	kilos	1,000 lire
1924	..	853,000	2,809	801,400	7,579
1925	..	1,259,300	4,561	720,200	6,672
1926	..	889,300	2,804	615,500	5,569
1927	..	149,900	780	570,200	5,423
1928	..	90,800	377	594,400	5,763

## New Books

Ullmann, F.—*Enzyklopädie der technischen Chemie*, Vol. V. (Färben—Glyoxylsäure). 10½ in. by 7½ in. Pp. 838. Marks 54. Verlag von Urban & Schwarzenberg, Berlin. [The fifth volume of the second edition of Ullmann's compendium of applied chemistry maintains the high standard set by the editor in the previous volumes of providing a wide range of useful information regarding each subject, including such valuable features as references to the literature, classified lists of patents, names of manufacturers and statistical data of the production and commerce in the case of the more important articles. The following subjects are dealt with in the form of comprehensive monographs:—Dyeing (76 pages); synthetic, vegetable and animal dyes (34 pages); ferments (18 pages); fats and oils (78 pages); fatty acids (19 pages); furnaces (44 pages); fireworks (13 pages); filters (15 pages); formaldehyde (13 pages); galenicals (15 pages); electro-deposition of metals (43 pages); compressed and liquefied gases (23 pages); gelatin and glue (27 pages); tanning and tanning agents (90 pages); industrial poisons (11 pages); glass (44 pages); glycerin (17 pages); glycerin substitutes (2 pages). A loose index, which covers the subjects dealt with in the present volume, is also provided, as well as a list of the more important articles and their authors.]

## Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

28 Essex Street, W.C.2, January 8

BUSINESS has been slow to resume since the opening of the year, and stocktaking operations together with holiday influences in the North have shown buyers in a hesitating mood. There is a noted absence of Continental inquiries, which are looked for with the turn of the year. Unfortunately, the industrial situation, although viewed in a somewhat more hopeful light in anticipation of a trade revival, is for the time being overshadowed by the continued coal mine stoppage in South Wales and also apprehensions as to a threatened lock-out in the Lancashire cotton industry. A return of confidence is thus temporarily delayed, and this has a restraining effect in certain directions. Another disturbing factor which has been interfering with business in Eastern produce has been the renewed slump in the price of silver to the new low record of 1s. 1½d. per oz., from which, however, a slight recovery took place on Wednesday. Business in pharmaceutical chemicals has shown little tendency to develop since the opening of the year, but the bulk of prices is quite steady. The chief alteration is a reduction of 6d. per lb. in pyrogallie acid crystals; sulphonal is steadier and the controlled prices are operating; phenazone is almost free from outside cutting. Citric and tartaric acids and cream of tartar are all neglected. Business in industrial chemicals has been slow to resume since the opening of the year. About the only change is an advance in sodium chlorate for the home trade, and an easier feeling in sodium sulphide. In drugs, business as yet has barely opened. New crop gum acacia is again cheaper to arrive. Cod-liver oil is easier in view of the proximity of the new fishing. Matto Grosso ipecacuanha is steady. Shellac, cloves, pepper and pimento are lower. Among essential oils, star anise and cassia are slightly cheaper for forward shipment; Sicilian lemon is pressed for sale, without substantial alteration. In the group of fixed oils business has been poor throughout, and a number of further reductions are recorded. Linseed oil is much cheaper, and castor has sharply declined. Cotton, coconut and rape are all slightly cheaper. Turpentine is steadier.

Higher	Firmer	Easier	Lower
Sodium chlorate (home trade)	Sulphonal Turpentine	Cassia oil (c.i.f.) Coconut oil Cod-liver oil Pepper (Amst. auct.) Pimento Rape oil Rubber Sodium sulphide Soya oil (deod.)	Anise, star, oil (c.i.f.) Castor oil Cloves Cocoa butter (Amst. auct.) Coconut (desic.) Cotton oil Gum acacia Linseed oil Maize starch (Dutch) Pyrogallie acid Shellac

### Crude Drugs, etc.

ANISE STAR OIL is slightly cheaper forward, January-February shipment offering in leads at 1s. 10d. per lb., tins at 1s. 9d., and drums at 1s. 8d., all c.i.f. Spot values are: leads 2s. 9d., tins 2s. 7d., and drums 2s. 6d.

ANTIMONY.—Business has remained quiet, despite a few more inquiries for Chinese on the spot, which is quoted £25 to £25 10s. ex warehouse. Terms to arrive are stiffer, ranging upward of £23 15s., but this figure is nominal. English high-grade refined £45 10s. to £46, and ordinary brands range down to about £36. Chinese crude on the spot is worth about £22 and Chinese white oxide £31.

CARDAMOMS.—At a public sale on Tuesday 59 cases bleached Ceylon-Mysore offered and seven cases only sold at 2s. 7d. per lb. for smalls; 14 packages Mangalore were also offered and bought in, including bold at 5s. Several lots were afterwards sold privately. Bold bleached Ceylon-Mysore is offered privately at from 6s. 3d. to 6s. 6d. spot; mediums, 4s. 6d.; small mediums, 3s. to 3s. 3d.; smalls, 2s. 6d. to 2s. 9d.; green Aleppy, 2s.; for shipment, 1s. 5½d. c.i.f.; Indian seed, 3s. 3d. to 3s. 6d. per lb.

CASSIA OIL is lower forward at 2s. 8d. per lb. c.i.f. for 30 to 35 per cent. c.a.; spot value is nominal at about 3s. 2d.

CLOVES.—Zanzibar are quiet and easier at 1s. 0½d. per lb. on the spot; afloat is 11½d. c.i.f. January shipment has been sold at 11½d. c.i.f., closing sellers at 10½d. c.i.f. Madagascar is quoted at 1s. spot and January shipment has been sold at 8½d. c.i.f.

The landings of Zanzibar for the week ended January 3 were 314 and the deliveries 120 bales, leaving a stock of 1,003, against 1,213 in 1930 and 2,529 bales in 1929. The landings of Zanzibar during 1930 were 7,557, against 8,718 in 1929, and the deliveries were 6,651, against 10,097 bales in 1929. Landings of Madagascar for the week ended January 3 were 144 and the deliveries 21 bales, leaving a stock of 641, against 14 in 1930 and 2,800 bales in 1929.

The export of cloves from Zanzibar from January to October 1930 amounted to 132,440 cwt., against 127,785 cwt. for the corresponding period of 1929.

COCOA BUTTER.—Prime English is quoted at 1s. per lb., C.F.R. at 1s. 0½d., and Van Houten's A at 1s. 0½d. per lb. At Amsterdam on Tuesday ten tons Van Houten's AA sold at 58c. per half-kilo, against 61.05c. a month ago, and 160 tons A sold at 54.01c. against 56.50c.

COCONUT (DESICCATED) is easier, and Colombo prices are lower on copra values. Very little business is doing owing to buyers showing a lack of interest. Business has been done on spot for fine and medium at 24s. per cwt., and there are further sellers at this figure. For shipment, business has been done at 21s. 6d. c.i.f. for December-January and January-February shipment. Sellers are still offering at this price. Week's statistics (cwt.): landed, 2,160; delivered, 2,414; stock, 1931, 10,518; 1930, 13,829; 1929, 23,393.

COD-LIVER OIL.—In view of the fact that the new season Lefoten fishing will shortly commence, there is an easier tendency for 1930 production and prices have declined to about 95s. to 98s. per barrel c.i.f. for finest steam-refined non-freezing oil according to brand.

GUM ACACIA is again cheaper, and since our last report the price to arrive has declined a further 2s. per cwt. This decline is mainly due to the absence of business and not so much to the condition or position of the new crop, although from recent advices the arrivals appear satisfactory. New crop Kordofan for January-February shipment is offered at 39s. c.i.f. for natural and 41s. c.i.f. for cleaned. Kordofan cleaned on the spot is nominal at 52s. 6d., and natural 50s. Bleached on the spot is easier at from 135s. to 140s. per cwt., according to quality. Talha is 33s. spot and 23s. per cwt. c.i.f.

During the period January to September 1930 the exports from Tanganyika, British East Africa, amounted to 4,865 cwt., against 13,686 cwt. during the corresponding period of 1929.

IPECACUANHA is steady but quiet at from 12s. to 12s. 3d. per lb. for Matto Grosso.

JUNIPER BERRIES.—The spot values are from 24s. to 25s. per cwt.

LEMON OIL.—Although no material alteration is reported, there is a certain amount of pressure to sell, and prices to arrive might be shaded 1d. to 2d. per lb. In view of the large stocks of last year's crop at the source it is expected that a considerable amount of "mixing" will take place during the coming season. Hand-pressed is offered at about 3s. 9d. c.i.f., and machine-made at 3s. 3d. c.i.f.; spot values seem a matter of negotiation.

MENTHOL.—A direct cable from Japan gives the price as very steady, with a possible increase, shippers quoting any position at 11s. 4½d. c.i.f. for K/S. Owing to arrivals spot value tends to sag, K/S offering at from 12s. 6d. to 12s. 9d.

During October 1930 the U.S.A. imports were 24,908 lb. (\$60,899), against 33,103 lb. (\$135,649) for October 1929; the ten months' imports ended October 1930 were 238,195 lb. (\$808,926), against 225,059 lb. (\$967,436) for the corresponding period of 1929.

MERCURY.—There has been no improvement in the demand, which is still confined to small lots on the spot, and the agents of the Combine ask £21 17s. 6d. net per bottle, and for good-sized lots a small concession is being made. There has been no alteration in the f.o.b. price, which is £21 15s. net for at least 25 bottles. Outside of controlled metal the quantities on offer are apparently limited.



**ORANGE PEEL.**—A few orders for so-called Maltese machine-cut have been placed; values are from 6d. to 9d. per lb.

**PEPPER** is quiet. Lampong is quoted at 6½d. per lb. spot. To arrive, sellers of October-December quote 5½d. c.i.f. and January-March shipment has been sold at 5½d. c.i.f. Tellicherry is easier at 50s. per cwt. c.i.f. for January-March shipment. Alleppy is 49s. c.i.f. for January-March shipment. White Muntok is easier at 10d. per lb. spot. To arrive, October-December shipment has been sold at 9½d. to 9d. c.i.f., and January-March at 9½d. c.i.f.

**PEPPERMINT OIL.**—There is no revival of interest yet. First-hand sellers from Japan quote K/S at 3s. 5d. c.i.f. and other brands at 3s. 4d. c.i.f.; spot value of K/S is about 3s. 9d., and other brands 3s. 8d.

The exports of peppermint oil from the United States during October amounted to 38,586 lb. (\$107,078), against 27,077 lb. (\$102,492) for October 1929; during the ten months ended October 1930 the exports were 209,454 lb. (\$619,976), against 181,591 lb. (\$662,315) for the corresponding period of 1929.

**PIMENTO** is easier at 5½d. per lb. on the spot, and for February-March shipment 44s. 6d. per cwt. c.i.f. is quoted.

Pimento held third place in exports from Jamaica during 1929: total exports were 9,037,343 lb., valued at £348,126. France, Germany, the United States and Canada were, in that order, the largest customers. Exports to Canada amounted to 243,688 lb., valued at £9,383.

**RUBBER** is fractionally easier on the week. Since the holidays the tone has been slightly better, but the gloomy reports from the American market continue to affect the general situation. During the past few days there has been persistent buying of the lower grades, and the discount as against standard quality continues to be very small. The shipments from the Dutch East Indies, according to recent cabled advice, show only a slight decrease on the year, and it seems fairly certain that the production will have to be seriously curtailed before higher prices are secured by producers. Arrivals last week totalled 1,483 tons, whilst deliveries were 769 tons, showing an increase of 714 tons in the stocks. The London stock now stands at 78,042 tons against 56,616 tons for the corresponding period last year. The Liverpool stock now stands at 41,516 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and January, 4d.; February-March, 4½d.; April-June, 4½d.; July-September, 4½d. per lb.

**SARSAPARILLA.**—Quite neglected, with genuine grey Jamaica offering at from 1s. 5d. to 1s. 6d. per lb., and native red Jamaica at from 1s. 3d. to 1s. 5d. as to quality.

**SEEDS.**—ANISE.—Spanish is 50s., Russian 32s. 6d., and Bulgarian 32s. 6d. per cwt. on the spot. CANARY.—Mazagan is still quoted at 24s. 6d. on the spot. Tangier remains at 23s., with no interest shown. Morocco is unchanged at 23s. 6d. Turkish (2 per cent.) is quiet at 20s. on the spot. LINSEED.—Morocco is still offered at 18s. on the spot. MILLET.—Yellow Morocco on the spot is selling in small quantities at 3s. For shipment, the quotation remains at 7s. 6d. c.i.f. CUMIN.—Malta on the spot is 57s. 6d. for fair average quality. Morocco is 52s. 6d. spot, with no business passing. For shipment, the latest quotation received is now 49s. 6d. c.i.f. FENUGREEK.—Old crop on the spot is 17s. New crop is offered at 16s. and Tunisian at 17s. 6d. per cwt. spot. CARAWAY.—New crop Dutch on the spot is now offered at 28s. All the old crop has been sold and no more is coming forward. MUSTARD.—English is 25s. to 32s. 6d. per cwt., according to quality. CORIANDER.—Old crop is quoted at 9s., and new crop at 8s. 6d. per cwt. on the spot; 11s. is quoted for shipment, but at the moment no interest is shown.

**SHELLAC** is quiet and lower at 70s. per cwt. for usual standard TN orange on the spot; fine orange is 100s. to 200s., pure button 110s., and AC cakey 90s. To arrive, sales of January-February shipment and February-March have been made at 62s. to 60s. c.i.f. Sales for delivery include March at 63s. 6d. and May at 67s. to 65s. per cwt.

#### Pharmaceutical Chemicals, etc.

**BUSINESS** has shown no tendency to develop since the new year. The market, as a whole, has been quiet, but the tone in most directions is steady. Pyrogallol acid is 6d. per lb. cheaper. Citric and tartaric acids are neglected and, with cream of tartar, are by no means healthy markets.

**ACETANILIDE** continues steady but quiet, with B.P. crystals and powder at 1s. 4½d. to 1s. 6d. per lb. as to quantity.

**ASPIRIN.**—Prices continue steady at the recently revised rates; business is about average: home trade, 10 cwt., 2s. 7d.; 5 cwt., 2s. 8d.; 1 cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: 10 cwt., 2s. 7d.; 5 cwt.,

2s. 8d.; 1 cwt., 2s. 8½d.; less than 1 cwt., 2s. 9d. per lb. f.o.b.; export prices to other destinations unchanged.

**BARBITONE** is steady, with business in the usual small parcels: quoted from 7s. 3d. to 7s. 9d. per lb. as to quantity.

**BENZOIC ACID (B.P.)** is in little call at the moment: quantities, ex works, 1s. 10½d. to 1s. 11d.; spot parcels, 1s. 11d. to 2s. per lb.

**BROMIDES.**—Business remains rather slow, while competition persists: ammonium, 1s. 8½d. to 1s. 8¾d.; potassium, B.P. crystals, 1s. 4½d. to 1s. 5d.; granular, about 1s. 4½d.; sodium, B.P., 1s. 7d. to 1s. 8d. per lb. as to quantity. Makers' and dealers' prices are level.

**CALCIUM LACTATE** is steady and business is fair: quoted from 1s. 1½d. to 1s. 3d. per lb. as to quantity.

**CHLORAL HYDRATE** is unchanged on a very steady market as quoted by home makers at 2s. 11½d. to 3s. 1½d. per lb. as to quantity and packing for duty-paid crystals; foreign on spot, 3s. 3d.

**CITRIC ACID (B.P. crystals).**—There has been little interest this week: the quoted value of foreign is about 1s. 1d. to 1s. 2d. per lb., less 5 per cent., with sales prices for quantities a matter of negotiation. British makers' prices are unchanged at 1s. 1½d. per lb., less 5 per cent. discount.

**CREAM OF TARTAR** has been unusually slow of sale: the market is quoted unchanged in the region of 87s. to 88s. per cwt., less 2½ per cent., for 99 to 100 per cent. powder, but probably less would be taken for substantial orders. British makers' prices are unchanged at 88s. per cwt., less 2½ per cent. discount.

**CREOSOTE (B.P.)** is unchanged, with dealers quoting 1s. 8d. to 1s. 9d. per lb. as to quantity.

**CREOSOTE CARBONATE** is a slow market, with dealers' spot offers at about 5s. 9d. to 6s. per lb. as to quantity.

**GUAIACOL CARBONATE** is unchanged and very slow of sale: spot, 4s. 4d. to 4s. 8d. per lb. as to quantity.

**HEXAMINE.**—Competition for a fair volume of business continues, with quoted rates in the region of 1s. 10d. to 1s. 11d. per lb. as to quantity.

**LACTIC ACID (B.P.)** continues at the agreed prices of 1s. 11d. to 2s. 1d. per lb. as to quantity.

**METHYL SALICYLATE (B.P.)**—Controlled prices are being well held and business has been sustained: quoted from all sources at 1s. 3d. to 1s. 5d. per lb. as to quantity.

**METHYL SULPHONAL** remains dull, with dealers quoting spot at 12s. 7d. to 13s. 10d. per lb. as to quantity.

**PARAFORMALDEHYDE** is selling well, with large quantities offering at about 1s. 5½d., and small parcels up to 1s. 7d. per lb.

**PARALDEHYDE** has been quiet at 1s. 1d. to 1s. 3d. per lb. as to quantity and packing.

**PHENACETIN** is very steady, with sales well up to the agreed scale of prices of 3s. 8d. to 3s. 10½d. per lb., as to quantity, for crystals, with powder 1½d. per lb. more.

**PHENAZONE** is practically free from outside cutting, and controlled prices are mostly operating: crystals, 6s. 11d. to 7s. 3½d. per lb. as to quantity, with powder 1½d. per lb. more.

**PHENOLPHTHALEIN.**—The Convention prices are not operating: sales prices are now somewhere in the region of 5s. 6d. to 5s. 9d. per lb. as to quantity.

**POTASSIUM IODIDE.**—Competition, apparently from a Japanese source, is tending to cut prices.

**PYROGALLIC ACID.**—Makers notify a reduction of 6d. per lb. in their scale of prices for crystals, as follows: 1 cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in free 7-lb. tins, carriage paid in U.K.

**RESORCIN** is steady on a subdued market: quoted from 2s. 11d. to 3s. 2d. per lb. as to quantity.

**SALICYLIC ACID (B.P.)** is unchanged at home makers' prices of 1s. 5d. for ten cwt. up to 2s. per lb. for 1-lb. parcels; technical quality, 1s. to 1s. 2d. per lb.

**SALOL** is steady but not in much demand at the moment: quoted from 3s. 7½d. to 3s. 10½d. per lb. as to quantity.

**SODIUM DIETHYLBARBITURATE** remains dull, with dealers offering spot at about 8s. 9d. to 9s. per lb.

**SODIUM SALICYLATE (B.P.)**—The home market continues unchanged: two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 2d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.; 1 lb., 2s. 5d. per lb.; export prices to all destinations unchanged.

**SULPHONAL** is much steadier, with controlled prices operating at 10s. 1d. to 11s. 2d. per lb. as to quantity.



TANNIC ACID (B.P. *leviss*) is steady but dull: quoted from 2s. 8d. to 2s. 10d. per lb. as to quantity.

TARTARIC ACID (B.P. crystals).—There has been very little interest again this week: quotations are maintained at about 1s. per lb., less 5 per cent., for foreign, with important sales a matter of negotiation. British makers' prices are unchanged at 1s. 0½d. per lb. less 5 per cent. discount.

TERPIN HYDRATE is unchanged on a slow market: quoted from 1s. 4d. to 1s. 6d. per lb. as to quantity.

THYMOL is quiet: synthetic fine white, 7s. to 7s. 3d. per lb. as to quantity; ex ajowan seed, 7s. 9d. per lb.

VANILLIN.—Business has been poor: ex clove oil, about 14s. per lb.; ex guaiacol, about 12s. 6d. to 12s. 9d. per lb.

### Industrial Chemicals, etc.

London, January 7.

THE market has been slow in opening up since the new year. The general tone is steady but dull. Chlorate of soda shows a further advance on quotation for home trade. ACETIC ACID is about steady with a moderate business: 80 per cent. technical, £36 5s.; 80 per cent. pure, £37 5s. per ton, in barrels; glacial, pharmaceutical, 99-100 per cent., £58 per ton, in glass demijohns; glacial, in barrels, £47 per ton, carriage paid in U.K. ACETONE shows no further change since the Convention dissolved at the end of last year: B.G.S., in drums, £60 per ton, for quantities, ex wharf; small lots, up to £65. ARSENIO is very firm, although there is very little doing, chiefly on account of the scarcity of supplies. The best price paid lately for Cornish white powder was £18 17s. 6d., and what little stock there is holders are asking £19 f.o.r. mines. It was reported that only just a small output is now being secured by some of the mines. Offers are reported from Belgium on the basis of £17 f.o.b., and adding to this freight costs to this side this would amount to about £18 12s. 6d. U.S. imports of arsenic for the ten months to the end of October were 9,918 tons against 11,219 tons for the same period in 1929. COPPER SULPHATE.—Buyers are still reluctant to provide for their requirements, this being partly due to the unsettlement in the metal. The current quotation of British Associated Makers for casks is about £21 per ton f.o.b., less 5 per cent. FORMALDEHYDE has received fair inquiry: the market continues competitive at about £30 10s. per ton, in casks; large quantities at slightly cheaper prices. ISOPROPYL ALCOHOL is a fairly bright market: first quality, 10s. 6d. to 11s. per gallon, in drums, carriage paid; less for lower grades. OXALIC ACID is steady on a slow market with quantities at £31 7s. 6d. per ton, ex wharf; cwt. lots, 32s. ex store. POTASH CAUSTIC continues at the old Convention prices with business rather limited: 88-92 per cent. solid, £29 10s. to £34 10s. per ton, in drums, ex store; 30s. per ton less c.i.f. in all cases. POTASH CHLORATE is steady but the market is slow: quantities, £27 10s. per ton; small lots, from 3½d. per lb., ex store. POTASH PERMANGANATE is unchanged on a slow market: quantities, in two-cwt. drums, 4¾d. to 5d. per lb. SODIUM CHLORATE is now quoted at £26 5s. per ton, showing a further advance of £1 per ton.

### Fixed Oils, etc.

FURTHER reductions in the quoted values of a number of products are recorded, and throughout business has been very poor. Linseed oil has reached unusually low figures. Turpentine is slightly steadier. Palm oils remain slow of sale, and castor is lower. ACID OILS have been dull throughout: coconut and/or palm kernel, 21s.; groundnut, 18s. 6d.; soya, 17s. spot. CASTOR.—Market is still slow and a further big reduction in values is recorded: pharmaceutical, 38s. 6d.; first pressings, 34s.; second pressings, 31s. 6d. per cwt., in barrels, on the spot, in not less than one-ton lots. COCONUT is dull and slightly easier: deodorised, spot, 37s.; Ceylon, 24s. c.i.f. COTTON.—A further reduction in prices is recorded: deodorised, 30s.; common edible, 28s.; soapmaking, 24s. 6d.; crude, 24s. spot. GROUNDNUT remains dull, deodorised, spot, 36s. 3d.; crude Oriental, 31s. c.i.f. PALM KERNEL.—Market remains slow, with values unchanged: deodorised, 36s.; crude, 26s. 6d. spot. PALM.—Values for all grades are about level on the week, with business slow and small: Lagos, 19s. 6d.; softs, 19s. 3d.; mediums, 19s. 6d.; hards, 20s.; bleached, 23s. spot. RAPE is slightly cheaper on a slow market: refined, 32s. 6d.; crude, 31s. spot. SOYA.—Market has been dull throughout: deodorised, 34s. crude, 23s. spot. LINSEED (raw, naked) has been dull and irregular, with a further considerable loss in values on the week: on spot, 20s.; January, 17s. 4½d.; January-April, 17s. 1½d.; May-August, 17s. 3d.; September-December, 17s. 7½d. Boiled oil on spot, 24s. 3d. TURPENTINE

—With the turn of the year, and in spite of the continued restricted character of the demand, the tendency hardened distinctly on bullish American cable advices, including reduced receipts. The price at Savannah was raised to about 37½ cents per gallon on more restricted offers. Quotations here stand at 35s. for spot and 35s. 9d. for February-April. Last week's deliveries were 1,200 barrels, part of which, however, belonged to the old year, while the actual returns on January 1 amount to 772 barrels, against 1,535 barrels for the same period last year. Stocks are considerably larger at 41,483 barrels, which, together with 10,343 barrels in the course of landing and 4,625 barrels afloat, make the London visible supply 56,461 barrels, against 41,901 barrels at the same date last year. RESIN.—The market was favourably affected by reduced receipts and smaller stocks, but at the higher level quoted for the better grades on this side business was slow. C.i.f. terms were as follows: American B/G 9s. 8d. to 10s. 1d., E/F 10s. 4½d. to 10s. 8½d., G 10s. 9½d., M 12s. 1d., W/W 16s. 3d., and W/W 17s. 7½d. French is practically idle, with W/G standing at 12s. 7½d. and W/W at 12s. 10½d. per cwt. WOOD.—Hankow in barrels on spot is dull at 37s. per cwt.

### Tinnevely Senna Pods

John Ronaldson & Co. write:—We have read with interest the remarks about senna pods under comments on the report of the Pharmacy subcommittee, by A. A. Brunker, Ph.C., and D. W. P. Boyd, M.A., F.C.S. (C. & D., January 3, p. 8), and we would like to make the position clear as to future supplies. The present reported shortage in India is mainly due to over-production during the past few years and the consequent falling away of prices to the recent unproductive level. We have not the slightest doubt that production can easily keep pace with the demand, provided prices are on a basis that show a margin of profit to the cultivator. Senna is a very luxuriant and easy crop, with two or three possible harvests in the course of a season, and growers of both Alexandrian and Tinnevely would be only too pleased to meet the situation by increasing acreage, if the prospect of sale of the crop at a profit warranted this step.

The Sudex Company, Ltd., write:—It is possible to regulate the supply of senna pods to meet any requirements of the manufacturing chemists of this and other countries. Previously senna leaves were extensively used by the public for the preparation of senna tea; the case now is that senna pods have replaced for such purposes the leaves. The consequent additional demand for pods has been adequately met by cultivation, thus demonstrating that supplies can be regulated. Exports from India and the Sudan are increasing year by year, and it is only a matter of cultivation to obtain additional supplies. Prior to 1914 senna pods were collected only from wild senna; at least 60 per cent. of exports now represent cultivated senna. The present shortage of manufacturing senna pods in India is caused by the selling prices at this end being temporarily under cost of production, and the natives have therefore discontinued to collect. Actually stocks of pods in London are sufficient, but are naturally being held for remunerative prices.

L. Moore & Co. write that the recommendation of the B.P. that Tinnevely senna pods should replace the use of leaves must necessarily have the effect of causing renewed interest in the case of manufacturing or so-called f.a.q. pods. Apart from the genuine shortage this season, and consequent depletion of London stocks, it is worthy of note that for some considerable time past this article has proved itself very unprofitable both to the native collector and importer. So much so, that collectors at the source have declined to gather the crude senna and grade at the low rates hitherto ruling. In consequence of this action, the majority of stocks accumulated in Tuticorin and the hills have been allowed to rot. Unless fair prices are offered for the next main crop it is reasonable to assume that this will meet a similar fate. Orders for f.a.q. pods up to 3½d. per lb. as late as November last year were refused by reliable shippers owing to absence of supplies of fair merchantable quality. Hand-picked T.V. pods were dealt in up to 4¾d. per lb. c.i.f. at the same period. At the present time, however, it is impossible to purchase this grade even at 5½d. or 6d. per lb. from shippers of repute. London stocks of f.a.q. pods are small and a few bales only may be had from 3½d. to 4½d. per lb. ex wharf, according to quality and seller. Of hand-picked there is a fair stock available, but these are firmly held by importers, who no longer desire to sell under cost price. Fair green are worth from 6d. to 7d. per lb., whilst for quite ordinary darkish 5½d. to 6d. is asked. Exports from Tuticorin of all grades of senna up to the end of November 1930 were 12,300 bales, compared with 19,553 bales in 1929.



## Industrial Chemicals in 1930

With general industrial depression, which has unfortunately increased in severity as the year progressed, the demand for heavy chemicals by the consuming industries has been rather less than in former years, yet it is very probable that the producers of heavy chemicals have felt the effects of this widespread commercial slackness less than most other industries. In January and February there was a fairly healthy tone in the market and business was moving moderately well. Then followed for the rest of the year a period of sluggish, but at no time idle, markets, with sales mostly for inferior quantities and at keen prices. Despite these difficult times values have been maintained fairly well, the depreciation being far less than has been the case of many other "raw materials" and manufactured goods. In many of the leading lines in heavy chemicals the position has been strengthened by the control of the market. In other cases the home makers have, as in former years, maintained their grip on the market, this being especially so in alkali products and industrial acids, excluding acetic acid. There has been little or no further marked development of rationalisation during the year. Competition, where it is felt in this market, comes largely from the Continent. Merchants continue to function in this section of the chemical industry, and have more than held their ground. Indications have not been lacking that in some producing quarters the policy of non-co-operation with merchants is giving way to willingness to accept their orders and generally use their services. The prophets of two or three years ago who were definite that the day of the merchants was quickly passing are already confounded, and the day of the complete return of the traders to their proper place in the industry as the experienced and economic distributors for most producers may not be far distant.

ACETIC ACID prices were revised in the month of August. Opening in January with 80 per cent. technical, £36 15s.; 80 per cent. pure, £37; pharmaceutical glacial 99-100 per cent., £66; and glacial, in barrels, £56; and moving to £36 5s. and £37 5s. for the 80 per cent. grades and £58 and £47 for the glacial. Business has been moderately good with plenty of keenness on the part of suppliers. B.G.S. ACETONE has been unchanged all the year at £71 10s. to £80 per ton, as to quantity, carriage paid. The home producers, first year has been carried out in agreement with other producers, but we understand that negotiations to maintain present prices for 1931 have failed and that lower prices may be expected. ANHYDROUS AMMONIA has been a home makers' market to a fair extent, and prices for 99.95 per cent. have been in the region of 10d. to 1s. all the year. ARSENIC, after being in poor demand for most of the year with the market rather easy, closes on a firm tone owing to scarcity of supplies which was brought about by the depression in the mines, many closing down. In January and up to April about £16 f.o.r. mines was the quoted figure for Cornish.

In May the easier rate of £15 15s. was recorded. In September a jump to £16 15s. was noted, and was held firm during October. In November-December the market was difficult to define, with prices more or less nominal at about £19 to £20, with the quantity available negligible. BORAX PRODUCTS.—Contrary to former years, prices have remained practically stationary, competition between the importing sources and the home group being to no little extent eliminated. Had the old condition of keen rivalry continued something approaching wrecking prices might well have been reached here. FORMALDEHYDE.—There has been no lack of competition, and, as a consequence, values show some depreciation. Opening in January at £34. 40 per cent. by volume, moved by steps to £33 by April, and to £31 by the half-year. This figure held for the rest of the year for small lots, but lower prices obtained for usual industrial quantities. OXALIC ACID is easier on the year, opening at £32, and closing at about £31 10s. for quantities, with the market active only at infrequent short intervals. This product seems to be going out of fashion to some extent. POTASSIUM SALTS.—Business has been none too good, but with prices mostly controlled the markets

have shown but little fluctuations. Caustic, 88 to 92 per cent. solid, carbonate, 90 to 92 per cent., and 96 to 98 per cent., and yellow prussiate finishing the year at the same levels of values as were quoted in January. Bichromate is easier and the market has been keen throughout. Opening at 4½d., a temporary advance to 4¾d. was recorded in February, the market falling back in March. In July the lower figure of 4½d. was operating, and later in September the closing figure of 4½d. was quoted. RED AND WHITE LEADS.—Red lead came under an international control in March which has operated quite well, prices fluctuating according to the value of metal. White lead has been well supported by the Convention, prices moving with the metal and business maintained at these rates. SAL-AMMONIAC prices about balance on the year and dealers are able to report a good year of business. In SODIUM salts the home combine have, as usual, done the bulk of the business, the imports being negligible. Some fair-sized quantities were landed from Russia, but they have not seriously affected the market. The quality of this material is reported to be doubtful in some instances.

## Coal Tar Products

The majority of products in this market are at lower values on the year and business has rarely been really good; in fact, prolonged periods of sluggishness have been experienced. The accumulation of stocks of some of the products has been, and still is, a serious problem. ANILINE OIL AND SALT finish the year at about 8½d. per lb. BETANAPHTHOL opened at about 9½d. to 9½d., and gradually moved down to the closing rate of 8d. per lb. BENZOL.—After a period of steadiness during January-April, with standard motor 90's at 1s. 7½d. in London and 1s. 5½d. in the country, in tank wagon lots, ex works, the market became slightly easier, and moved by easy stages to 1s. 6½d. and 1s. 5d. respectively in September. Later values were 1s. 5½d. and 1s. 5d., with the market closing steady at these figures. In the early part of the year the market was the subject of some excitement owing to a strong rumour that a duty, in lieu of motor taxation, was to be imposed. This, however, did not materialise. CARBOLIC ACID CRYSTALS (39° to 40° C.) have not had a good year, and, possibly owing to the lack of the usual periods of brisk demand few fluctuations were experienced. There has been no shortage of supplies at any time. Opening at about 7d. the position showed but little change up to the half-year. In August 6½d. was quoted for five-ton lots; in October the figure fell to 6½d., after a period of poor business and weak markets. Early in November the price fell to 5½d. for five-ton lots and about 6d. for small parcels, carriage paid. CRESYLIC ACID values show a considerable reduction on the year and business seems to have been rather disappointing. Pale 98 to 100 per cent. was 2s. 1d. to 2s. 2d. in January; a full penny cheaper by April-May, and again easier at 1s. 10½d. to 2s. in June; by September 1s. 9d. to 1s. 11d. was quoted, and the market was easy at these figures at the close. Other grades have moved in sympathy with dark 95 per cent., opening the year at 1s. 9d. to 1s. 10d. and closing at 1s. 5d. to 1s. 6d. American duty free acid was 1s. 9½d. to 1s. 10d. in January and closed at about 1s. 7½d. to 1s. 9d. per gallon. CREOSOTE OIL has been something approaching a drug on the market all the year, and in many respects quoted prices have not reflected the actual position where big business was concerned. Values, so far as quotations are concerned, show a depreciation of ½d. to 1d. per gallon, but it is difficult to define actual bulk sales prices. Export business has been disappointing. SOLVENT NAPHTHAS finish the year about level, a fair amount of business being recorded with 90 to 160 about 1s. 2d., and 90 to 190 at about 1s. per gallon, at works. PITCH has been quoted, mostly nominally, throughout the year at about 47s. 6d. per ton, f.o.b. East Coast. While business for shipment has been as good as was anticipated prices obtained have been well below the quoted controlled figure.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

### A Changed Position

SIR,—Now that a Pharmacy and Poisons Bill has actually been introduced in the House of Lords, it seems necessary for chemists and druggists to recognise two things: the futility of talking any longer about the draft Bill and the desirability of giving their most serious consideration to the difficult situation which confronts them. Whilst the measure was only in draft and part of the Departmental Committee's report, the need for urgency in preparing to safeguard the pharmaceutical position may not have been fully manifest. But the time for philosophic discussion has now passed, as it is necessary to recognise that the provisions of the Bill represent proposals by the Government for modification of existing conditions in pharmacy and creation of new ones. What the Departmental Committee recommended might be criticised and possibly dismissed from further consideration as being only problematical. Now, however, that those recommendations definitely appear as clauses in a Government Bill, the time has obviously arrived for taking the matter seriously, balancing the advantages and disadvantages, and deciding to what extent the proposals of the Government shall be supported or opposed. It is imperative that chemists and druggists should realise how the provisions of the Bill are likely to interfere with the practice of pharmacy and the business of chemists and druggists. They will not find in it proposals for adequate compensation for any such interference, and it is, therefore, incumbent upon them to determine whether or not the Bill shall be allowed to proceed in Parliament without being amended drastically. They may be told that non-acceptance of the Government proposals as they stand may be countered by the Government proceeding with that part of the Bill which deals with poisons only. But it is not easy to justify such a threat, because the passing of Part I of the Bill would appear to be essential if the rest is to be made workable. It is only by the setting up of an entirely new register of pharmacists, on a compulsory basis, that the drastic provisions of Parts II and III of the Bill can be enforced. Chemists and druggists may, therefore, consider it desirable to withhold their approval of Part I unless the Government agrees to accept amendments designed to improve the position of those who carry on the business in ways that can be shown to be for the public advantage. Such amendments have been prepared by the Council of the Pharmaceutical Society, but the question remains regarding the course to be pursued if they are not agreed to. The answer to that question ought to be furnished by the members of the Society and other chemists and druggists. Failure to respond may be followed by most disastrous results, as it is quite clear that the future of pharmacy as an organised profession is now in the melting pot. What may emerge depends largely upon the action taken by chemists and druggists in defence of their ancient rights and privileges.—Yours faithfully,

JOHN HUMPHREY.

Harrow.

### Draft Pharmacy and Poisons Bill

SIR,—With regard to the draft Bill, I am glad you are making a strong stand against its provisions. It should be obvious to all who use their brains and are not loyal to a Society who appear to be disloyal to them (in apparently arranging with the authorities in return for two lots of fees practically to hand us over to the mercy of such authorities) that we shall find in due course

nearly every other shop is a potential chemist. It is bad enough now, but we shall then have the wonderful privilege of the D.D.A. drugs being reserved to us. However, the Society are still interested in education, while our business is being gradually stolen away on all sides. The average chemist cannot utilise the wonderful education now given, as he has no scope for x-ray work, biology, and so on. I suggest that all chemists work to get only practical chemists in retail businesses of their own on the Council. If the Society lead, why did not they produce their own Bill in the first instance?

Yours faithfully,

COMMON SENSE BEFORE LOYALTY, M.P.S. (6/1).

SIR,—The text of the Pharmacy and Poisons Bill (C. & D., December 27, p. 810) shows that a sale of poisons by an employee shall be deemed to be a sale by the employer; this reverses the former ruling. Bearing in mind that he and his premises can be struck off the register for any offence against the Pharmacy Acts, the onus seems unduly heavy. Another addition to the Bill which calls for note by pharmacists is the section in which the Secretary of State has the power, after consultation with the Poisons Board, to make rules with respect to any class of poisons or any particular poison. It is reported that a question was put in the House of Commons regarding the advisability of placing thyroid extract on the dangerous drugs list (C. & D., December 27, p. 788). There seems to be quite a vogue for considering all kinds of medicaments as dangerous drugs. This peculiar bent must not be lost sight of in view of the powers of the Poisons Board in the new Bill to deal with any class of poisons, and the possibility that when this new Board functions actively all sorts of substances may be classed as D.D.A. to the further tribulation of the pharmacist.

Faithfully yours,

DANGER00 (5/1).

SIR,—“Xrayser III” writes:—“It should be remembered, by the way, that there are some seven to eight thousand chemists and druggists who are not members of the Pharmaceutical Society, and that their rights are at stake as well as those of the rest of us. Is any account to be taken of them now, or are they to be regarded as being unworthy of notice until such time as the Bill passes and there is a possibility of extracting from them fees for retention of their names upon the Register?” In your December 20 issue I suggested those 7,000 fight for their position, and told them what would happen if they failed to do so. But up to now not one has come out of the comatose state they appear to be in. To fight, and to fight hard, is necessary to-day. Failing to assist in this fight will bring bondage to the Society, along with serious penalties, all which can be obviated by present-day action on the part of the individual chemist: 10s. each subscribed from, say, 2,000 chemists, placed in the right channel, would smash up the designs of the Pharmaceutical Society to get as surreptitiously under their power.—Yours truly,

VERITAS (7/1).

### Ucal's Coming of Age

SIR,—The twenty-first annual meeting of Ucal is arranged for May 25. Numerous old friends and many new ones have expressed a desire to mark the occasion by making a presentation to Mr. Harold Miller, the founder of the company. As a past-president of the old Federation of Ucalites I have been asked to organise this happy suggestion. It is not desired to raise any large sum, but rather that the number of friends contributing should be as large and representative as possible, hence the amount suggested, although not a fixed one, is the “humble shilling.” Will those Ucalites who desire to associate themselves with the idea kindly forward their postal orders to me at 106 Stafford Road, Wolverhampton? The form and details of the presentation will be decided at a later date, but it is proposed to make the presentation following the annual meeting of the company at Cheltenham.—Yours faithfully,

Wolverhampton.

CHAS. M. WARNER.



## Unit Packages

SIR,—It is certainly not the fault of the chemist that he now orders in one-twelfth dozens and quarter dozens. For a long time I have been aware that although my turnover does not increase, there is more work to do, and a much larger space is required for stock; further, where I used to be able to buy direct parcels of toilet lines, I am unable to do so now, much as I should like the extra profit. The cause can be summed up in a word—over-production. We over-produce chemists, leading to increased numbers of shops, and manufacturers of toilet lines over-produce to the point of absurdity. One manufacturer, who already lists in one perfume no less than forty-one different articles and packs, has just put out another perfume (and we are expected to hand over a box of powder with each sale), and this powder is listed in ten shades. Also, sooner or later, the other articles such as cigarettes, lipsticks, etc., will be added. And this is one manufacturer alone. How is it possible for anyone to keep even a few of most toilet articles in stock? No wonder firms try to push a unit pack upon us, and the post is flooded every day with special offers, 90 per cent. of which immediately go to the waste-paper basket. One firm of food manufacturers, at any rate, has seen the red light, but not soon enough, as far as I am concerned. Four or five different varieties of the same food, several sizes, and the welfare going one better every time, decided me a long time ago that I must sell my own food. This I can now buy in half- to one-gross lots and sell more than all other foods put together. The same applies to a back and kidney pill. If I am to have the same profit as the large concerns I must lay out £7-£8 on a largely advertised line. Instead I sell my customer as good a pill as can be made, at less than half the price of the advertised line; I get an equally good profit and sell more.

Yours faithfully,  
RESALER (17/11).

## In Sleepy Hollow

SIR,—It is significant that the *C. & D.*, rather than (shall we say?) any of your contemporaries, is engaged in the thankless task of waking up the sleepers. I can give you as good an example of apathy as any of Mr. Marns's almost unbelievable allegations. Not long ago my own local branch arranged a meeting to be addressed by a member of the Council—a member who was not, I think, any more undistinguished than his Council colleagues. Out of a membership of forty-seven, how many, do you think, turned up? The answer is—exactly none! I have myself often discussed apathy with the apathetic, and I have found, in an overwhelming majority of cases, that the apathy is intentional and not accidental. What the Laodiceans say is this: "I work twelve hours a day, and more. My leisure hours are few and far between. Do you suppose I am likely to spend a free evening or afternoon (especially in summer) in listening to dull speeches of official nonentities? No, thank you! No business holiday for me. I can find more exciting modes of killing time!" However, as I myself was amongst the absentees, let us change the subject. Let us be logical in condemning apathy. It really does seem to me that one way to minimise apathy is to make membership of the Society compulsory. We cannot claim to "have it both ways." We are wasting our time in resisting a proposal for which there is much to be said, and against which there is so little to be argued, apart from the compulsory payment of a certain small sum of money; and if a chemist cannot afford this, he ought to find some alternative occupation. But, granting this, an important proviso remains. In paying our subscription to the Society we know full well that we are purchasing two entirely separate commodities—(a) membership of a body corporate, and (b) the weekly organ. I suggest that, in future, we buy these boons separately, and that if we concede (and I think we ought) the wisdom of compulsory membership we ought in return to be free to take ~~in~~, or not, as we choose, the official organ. The busman's holiday idea appears. Few of us have time for two trade

papers; and, if we prefer the *C. & D.*, why compel us to purchase paper for which it may be difficult to find a useful purpose? I suggest, therefore, compulsory membership at a cost of 15s. or £1 a year, with optional purchase of the official organ. For the rest, let us concentrate on a very few cardinal points. Let us not dissipate our energies in fighting any and every clause of the Bill. Let us, as behoves an educated community, keep an open mind, and freely admit that not all the Bill's clauses are bad. We must, of course, fight to the last ditch the menace of unqualified competition. Finally, it is by no means to the good that we hear so little in defence of the Bill. "*Audi alteram partem*" is a maxim we cannot afford to forget. One hopes, and indeed feels certain, that the best arguments used in Parliament on its behalf will be summarised in your columns. In this connection let us remember that we are the servants of the public and not its masters, and that provided the public convenience is enhanced our own inconveniences are likely to carry little weight. Our object, therefore, should be directed to the task of demonstrating where, when and how pharmaceutical interests and public benefit march side by side.—Yours truly,

LEX (5/1).

SIR,—Your editorial article entitled "In Sleepy Hollow," with its reference to the letter from Mr. Thomas Marns, makes grievous reading, albeit not surprising to a "Southerner." What the South Country is discussing to-day will be news in the North next January. That this pharmaceutical philosopher of "Sleepy Hollow" is a "Northerner" is obvious from the conversation; no man from this side of the Humber speaks of "fashioning" himself, although the redundant "anyway" has a strangely Transatlantic flavour, which doubtless Mr. Marns could explain. In the interests of pharmaceutical progress, we must attempt to pierce the veil of merciful obscurity cast across the identity of this "Sleepy Hollow"—possibly of the same initial letter. The name of a North Country town, then, beginning with "S," where they "fash" themselves—Yorkshire or Durham, I fancy; in a "Hollow"—sea-level, therefore, we may assume; Scarborough, Stockton, Sowerby Bridge—stay, a fellow assistant of Councillor Marns—Sunderland! Well, well!—I am, etc.,

PAUL PRY (5/1)

## D.D.A. Conundrums

SIR,—To the pharmacist in retail business with a daily familiarity with the working conditions, all sorts of problems come to mind. For example, when a D.D.A. script has been dispensed and is awaiting the customer to call back for it, is it permissible to stand it on the side counter with other medicines, following the usual custom, or must it be replaced in the locked cupboard? If so, and the pharmacist has gone to lunch, the customer must wait his return; alternatively, if it is left ready for handing out, there is no authorised person present who can deliver it. The question of delivery by messenger has been considered in the regulations, and this presumably covers the case of a sick person unable to go out who asks a neighbour to go to the chemist to get the medicine dispensed; but there is the possibility that an invalid dangerously ill might die between the time of dispensing the medicine and delivery; who then is the person authorised to receive it? Must it be returned to the chemist, and, if so, must he keep it for two years, or what does he do with it? Then there is the question of wholesale deliveries. Suppose the pharmacist has gone to his lunch when the delivery van arrives with "dangerous" drugs, has the carman to wait his return or to take them away again for redelivery? If they are delivered and an inspector arrived five minutes afterwards and found them not locked up, what would he say? There are all sorts of questions such as these, and to my mind the whole difficulty arises from regulations which do not take into account the pharmacist's trained habits.—Yours truly,

INVOLUTUM (6/1).

## Dispensing Notes and Difficulties

### Calomel and Potassium Bromide in Powders

SIR,—Please let us know your opinion of the following prescription, and would you consider it safe for internal use? There is plainly an incompatibility because on mixing the potassium bromide and calomel the mixture turns grey, but on mixing triturations of each in sugar of milk it remains white and apparently all right for a considerable time.

Hydrarg. subchlor.	...	...	gr. iss.
Potass. brom.	...	...	gr. iiss.
Sacch. lact.	...	...	gr. ij.

Yours faithfully,

S. L. (7/10).

[If the powders are perfectly dry, and the hydrarg. subchlor. is mixed with half the sugar of milk, and the potassium bromide with the other half, and then mixed together, no reaction takes place for months—provided the powder is still kept dry. On the addition of water, or when the powders get damp, they at once become dark grey in colour, due to the formation of metallic mercury, and a mercury salt. The probable reaction is:— $\text{Hg}_2\text{Cl}_2 + 2\text{KBr} = \text{Hg} + \text{HgBr}_2 + 2\text{KCl}$ . The mercuric salt formed is poisonous, and the prescription therefore a dangerous one. We should suggest that the doctor be communicated with. He could as easily prescribe three one drachm draughts and three powders. The reaction and the decomposition of the calomel takes place at once, so that if ingested the mercuric bromide would be formed in the stomach. The dose of  $\text{HgBr}_2$  for an adult is about  $\frac{1}{16}$  to  $\frac{1}{4}$  grain, and  $\frac{1}{2}$  grain of calomel would produce about  $\frac{1}{2}$  grain. The powders are probably for a child, so that special care must be exercised. The powders could be taken before a meal, the draughts afterwards.]

## Legal Queries

R. S. (24/12).—The accepted term of notice in pharmacy for qualified as well as unqualified assistants is one month, irrespective of how the salary is paid, whether weekly or otherwise, and this custom has been upheld by the Courts. Of course, it only applies where no special agreement stipulating other conditions may have been made on engagement.

S. N. (3/12) holds a lease of premises which will shortly expire. He and his landlord have agreed that the lease shall be renewed for a further term of three years at a reduced rent, but otherwise upon the same terms. Will a simple endorsement to this effect, upon the lease, suffice and, if so, will the endorsement require to be stamped? [A renewal of the lease would certainly be effected with least trouble by endorsement upon the present lease; but the effect of the endorsement would be to create a fresh tenancy, and the same stamp duty would have to be paid as would have to be paid if a fresh document were prepared.]

D. E. (6/11).—A man died intestate and the estate, which proved to be of practically no value, has been administered by his widow. Shortly before he died he exchanged a motor-car for a new one, which was registered in his son's name. Claims are now being made against the widow by three moneylenders who lent sums of money to the deceased. They wish to know why the motor-car was not included in his estate. As the moneylenders are not registered, are they in a position to enforce their claims? [It would certainly seem that the motor-car should have been included in the deceased's estate. If the lenders of the money are professional moneylenders they should be licensed, and are liable to penalties if they carry on business without holding a licence. In that event their claims may be unenforceable upon the ground that the provisions of the Moneylenders Act, 1927, were not complied with. The widow should consult a solicitor.]

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

D. M. (29/128).—TAPEWORM IN DOGS.—The animal, a large wire-hair terrier, aged about seven years and weight about 30 lb., should be made to fast for thirty-six hours or so, then give gr. ij. of hydrargyri subchloridum, followed by egg emulsion and terebene B.P., so that the animal will get 5iss.-5ij. of the terebene. If required give another dose of hydrargyri subchloridum gr. ij. Should this prove ineffectual after a lapse of four or five days 5iv. of cusso can be given. It may be necessary to repeat this treatment in order to ensure that the head of the parasite has been removed from the intestinal canal.

O. W. (2/18).—PRESCRIPTION CHARGES.—According to the C. & D. Costing System the prescriptions should be priced as follows:—

Pot. iod.	...	...	...	5vj.	62.0
Iod. resub.	...	...	...	5ljss.	13.0
Aq.	...	...	...	ad 5xvj.	2.0
Container	...	...	...	...	3.0
Fee	...	...	...	...	8.0
Charge 7s. 4d.					83.0
Tr. iodi	...	...	...	5iv.	33.0
Container	...	...	...	...	2.0
Fee	...	...	...	...	8.0
Charge 3s. 7d.					43.0

It should be noted that these are the prices to the farmer. If for the veterinary surgeon personally, 6s. and 2s. 9d. would be the correct charges.

W. W. (17/128).—DRY SHAMPOO.—Possibly one of the following formulas will meet your requirements:—

Ol. coco nucis	...	...	10 dr.
Potassii hydroxidi	...	...	1 dr.
Sodii hydroxidi	...	...	1 dr.
Aq. dest.	...	...	ad 6 fl. oz.

The addition of alcohol is to be deprecated, since it delays the production of a lather. Another formula is as follows:—

Tr. quillaie,	...	...	aa. m30
Alcohol, ammonia	...	...	ad 1 fl. oz.
Aquam	...	...	ad 1 fl. oz.

This produces an abundant froth but no lather.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," January 15, 1881

### New Pharmacy Bill

A Draft of the new Pharmacy Bill, as proposed by the Council [of the Pharmaceutical Society], is at last put before the trade, but the Council are not yet by any means ready to take any steps towards getting it into Parliament. The final revision of the draft, which was promised for December 1, then for December 14, then for January 5, is now postponed to February 2, and may or may not be accomplished then. It will be necessary after that to interest the Privy Council in its provisions or to find some member of Parliament willing to take charge of the Bill. . . . It is to be hoped that the Bill will be fairly discussed, and, if possible, somewhat simplified rather than elaborated. We would urge all who consider it to do so with a regard to the difficulties of legislation, and also remembering the absolute uselessness of applying to Parliament for an Act framed only in pharmaceutical, to the exclusion of public interests.

Owing to pressure on space, this week's instalment of the C. & D. Commercial Compendium is held over.



# IMPORTANT ANNOUNCEMENT

## TO RETAIL PHARMACISTS

**M**ESSRS. OPPENHEIMER, SON & CO., LTD., have pleasure in announcing that a Depot (and a complete range of all Oppenheimer products) has been established at

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which normally controls and activates the menstrual cycle

**SISTOMENSIN**

standardised physiologically

dysmenorrhœa, menorrhagia, hæmorrhages  
of puberty and menopause, hypoplasia of  
the uterus, disturbances subsequent to  
menopause or oöphorectomy.

Tablets

Ampoules

**PROKLIMAN**

(Sistomensin Compound)

Association of ovarian hormone with thera-  
peutic agents for the prompt relief of the  
most pronounced troubles of menopause:  
cardiovascular and nervous troubles, hot  
flushes, headache, etc.

Tablets

*Hydrosoluble Ovarian Substance***AGOMENSIN**

causes hyperæmia of the female genital organs. Stimulates the function  
of the genital glands and menstruation.

Functional amenorrhœa, oligomenorrhœa, sterility, vomiting  
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Special Crystals matched and any degree of exsiccation  
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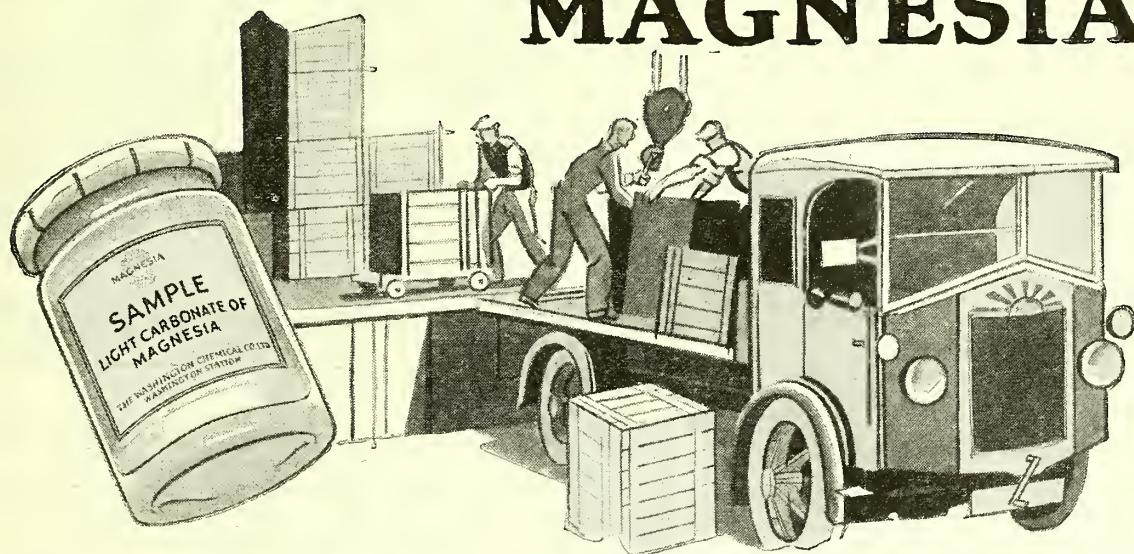
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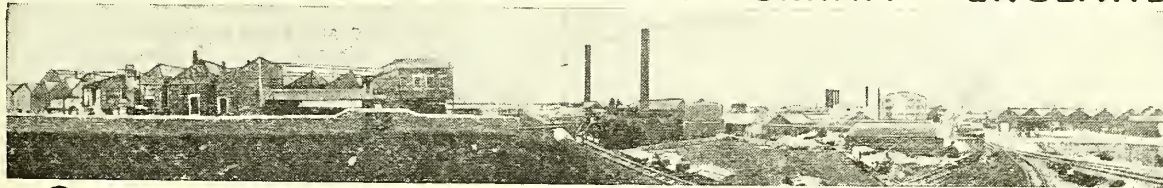
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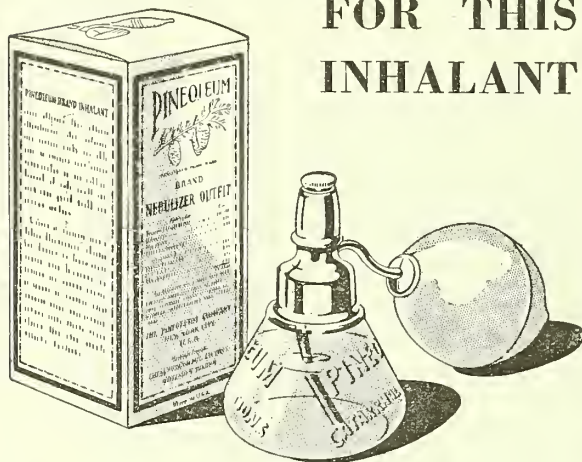


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**Winter  
Lines  
Worth Handling**

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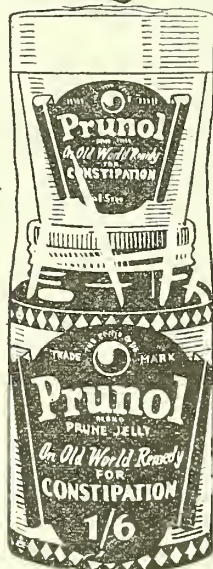
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**Blackwell, Hayes & Co.**  
LIMITED

**For 50 YEARS**

Specialists in

**FLAVOURS**

*Fruit Essences and  
Harmless Colours*

*Bulk or Packed*

ALL PRODUCTS GUARANTEED TO  
CONFORM TO THE FOOD & DRUGS ACT

MOOR STREET & ALBERT STREET  
**BIRMINGHAM**

Phone : Central 1267.

Wires : "Blackwclaze, B'ham."

**FOR THROAT AND CHEST**

**ZUBES**

**Vigorous Press Advertising  
Excellent Assured Profits**

F. W. HAMPSHIRE & CO. (1927), LIMITED, DERBY

**A SPLENDID SELLER!**

Dr. Lator's Phosphodyne is not a new line; it has been held in high esteem in all parts of the world for more than sixty years.

The finest remedy for **DEBILITY, NERVOUS EXHAUSTION, LOSS OF APPETITE, MALARIA, MENTAL AND PHYSICAL LASSITUDE, NEURALGIA, SLEEPLESSNESS.**

Dr. LATOR'S

**Phosphodyne**

**HOW ARE YOUR STOCKS?**



Dr. LATOR'S PHOSPHODYNE LABORATORY  
71 Parliament Hill Passage, Hampstead, N.W.





# The 'Aspro' Review



17% Extra Profits.

"British to the Core"

New Series Display Features.

## Buying 'ASPRO' on Bonus Terms Means Over 3/- in the £ MORE PROFIT

'ASPRO' Sales				'ASPRO' Sales			
		Retail				Retail	
Oct 1	1 doz ASPRO	27	11 6	Nov 3	1 doz ASPRO	27	6 18
" 7	2 "	27	1 3 0	FREE BONUS			
" 10	1 "	27	11 6	2 doz ASPRO	1	10	
" 14	2 "	"	1 3 0				£ 8 8
" 17	1 "	27	11 6				
" 21	2 "	"	1 3 0				
" 24	2 "	27	1 3 0				
" 30	1 "	"	11 6				
			£ 6 18 0				
							Extra Profit £ 1 10/-

THE Sales Ledger illustration is self-explanatory. It shows you the extra profits that go into your cash drawers through buying 'ASPRO' on bonus terms. It proves that it is worth while planning ahead 'ASPRO' purchases of 10's and 27's to receive the extra concessions, even at the expense of buying supplies in anticipation of demand. Bonus Buying is made easier by continuous 'ASPRO' displays in your windows and on your counters, etc. They are the connecting link of our enormous newspaper advertising appropriation to create demand with your own store to provide the supply.

## 'Aspro' Window Displays help you to obtain 17% Extra Profit Through Buying on Bonus Terms

### Centre Window Displays



To buy Unstamped 'ASPRO' on Bonus terms means approximately 17 per cent. additional profit, and every chemist will realise the great advantage of buying on Bonus Terms, and receive the additional 17 per cent. on all 'ASPRO' sales. **THIS BONUS IS FOR CHEMISTS ONLY.**

**WHAT THE BONUS IS.** Window Show Bonus available on Unstamped 'ASPRO.' The bonus on one gross order for 10's is one dozen packets; on a half-gross order, half-dozen packets. Half-a-gross is the minimum order accepted for bonus purposes. The bonus on one gross

order for 27's is two dozen packets; on half-gross order, one dozen packets; on a quarter-gross order, half-dozen packets. Quarter gross is the minimum quantity accepted on 27's for bonus purposes. There is no bonus on 5's or 60's.

### THE BONUS CONDITIONS ARE:

That the chemist who buys on these terms undertakes to show 'ASPRO' advertising matter in his shop window and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the chemist's shop to purchase 'ASPRO,' but should enable the chemist's staff to make sales of other lines as well.

Acceptance of bonus is considered acceptance of conditions regarding display and selling prices. To qualify for the bonus it is not necessary for the chemist to buy both sizes at the same time, but single lots may be ordered—viz.: 6 dozen 10's or 3 dozen 27's.

### HOW TO ORDER BONUS PARCELS.

We do not sell direct to the chemist. All our business is through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler so that we may forward the order on, and the bonus will be supplied direct by us.

**Prices of Unstamped 'ASPRO.'**  
3d. size, containing 5 tablets, 2 3 doz.  
6d. ,, containing 10 tablets, 4 6 ,,  
1/3 ,, containing 27 tablets, 11 6 ,,  
2 6 ,, containing 60 tablets, 21 - ,,  
Less 2 1/2 % 30 days.

NOTE.—The 2s. 6d. size contains 10 extra tablets, and the 1s. 3d. size 2 extra tablets.

'ASPRO' consists of the purest Acetyl-Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority. No proprietary right is claimed in the method of manufacture or the formula.

### 'ASPRO' WINDOW STICKERS



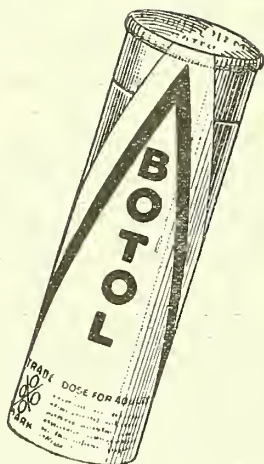
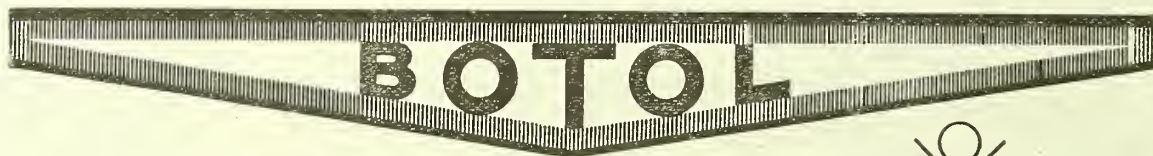
Made by ASPRO LIMITED, SLOUGH, England.

Agents: GOLLIN & CO. PTY. LTD. ('Aspro' Dept.),  
SLOUGH, BUCKS.

Phone: Slough 608.







REG. TRADE MARK.

**A LARYNGEAL NARCOTIC**

Prepared by a new process which  
enables **SOLID BROMOFORM**  
to be combined with **CODEINE**

IN TUBES OF TWENTY TABLETS

**2/9** per tube

FROM YOUR USUAL WHOLESALER OR

**'Petrolagar'**  
(Regd Trade Mark)

Specialists and General practitioners have pronounced 'Petrolagar' Brand Paraffin Emulsion to be an outstanding pharmaceutical achievement and their continual prescribing means increased sales and more profit for the chemist. 'Petrolagar' gives results—results mean satisfied customers.

*Order supplies from your wholesaler to  
meet the rapidly increasing demand.*

**PETROLAGAR LABORATORIES LTD., BRAYDON ROAD, LONDON, N.16**

Phone : CLISSOLD 7572.

**You'll be  
asked for a  
CHILBLAIN  
Remedy**

**RECOMMEND**

**STANIFORM OINTMENT,  
DUSTING POWDER & LOTION.**

From usual Wholesalers on P.A.T.A. terms.

**BRAND  
LOTION****STANIFORM Ltd., Carnwath Rd., London, S.W.6.***As Used by Doctors and Nurses Everywhere.*





A TEASPOONFUL OF NORWEGIAN  
COD LIVER OIL CONTAINS MORE VITAMINS A AND D  
THAN ALL THE BUTTER AND MILK ANY INDIVIDUAL  
CAN EAT AND DRINK IN A DAY

**NORWEGIAN COD LIVER OIL**



ESTABLISHED 1793.

The Best and  
Safest Infants'  
Medicine of  
over 130 years'  
standing.

**ATKINSON & BARKER'S**  
**INFANTS' PRESERVATIVE**

Does not  
contain  
any  
Scheduled  
Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER

# PURE ORANGE WINE

## A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.I.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)  
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

### "VITAMIN TESTED YEAST"

*Yeast specially prepared for medicinal purposes.*

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,  
WARREN WORKS, PUDSEY, LEEDS.

### DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

PURE SPANISH  
GRAPE JUICE



**MOSTELLE**

MADE BY RAFAEL ESCOFET  
IN TARRAGONA (SPAIN)

Pure unfermented juice of ripe grapes. It is a wholesome, nourishing drink, with all the properties of fresh grapes.

Stocked by  
**John Bell and Croyden**  
50-52 Wigmore St., W.1  
**MAPLETON'S Nut Food Co., Ltd., Garston, Liverpool**

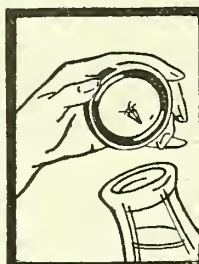
**PRICES:**  
**GOLDEN MUSCAT**  
Large bott. 3/6  
Small bott. 2/3  
**RED**  
Large bott. 3/-  
Small bott. 2/-

*The Saline with the largest sale 9. & 1/4.*



## "PRESTOP"

### Milk COVER & Cardboard disc REMOVER



**6d.**

FITS ALL SIZES.

Manufacturers:  
**T. WEBSTER & CO., LTD.**  
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## Malt Extract with Cod Liver Oil

Guaranteed pure and free  
from Preservatives

**Edme Ltd.**

will be pleased to  
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“NATIONAL MARK”  
MALT PRODUCTS

Guaranteed made  
from English Barley  
Malt

Prices on application

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Write for quotation and sample

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and REPEAT ORDERS  
are flowing in for

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THE PUREST SAFEST and  
SUREST CORRECTIVE FOR ALL  
DISORDERS OF THE SYSTEM

Small size 6d. Family size 1/- P.A.T.A. Terms

**SUPERFINE CHEMICALS, LTD.**  
22 BUCKINGHAM GATE, WESTMINSTER, LONDON, S.W.1

# ROBUVAL

*Elixir Strontii  
Bromid. et Valerian  
Deodorat.*

AN EXTREMELY PALATABLE  
CALMATIVE & NERVE SEDATIVE

8 OZ.  
BOTTLES **3/6**

Prepared and  
extensively advertised by

**ROBERTS & CO.**

Pharmaciens,

76, NEW BOND ST.,  
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and at PARIS.



# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

**MEADE-KING, ROBINSON & CO., LTD.**

22 Water Street  
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HALF WHITE and  
COLOURED OILS

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ANHYDROUS AND  
HYDROUS.

**The Pharmaceutical Lanoline Co.**

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B.P. PETROLEUM JELLIES.

GARNWATH ROAD, FULHAM, LONDON, S.W.6  
Telephone: Fulham 1194.      Telegrams: Batapo, Phone, London.



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WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

**WHITE & COLOURED OILS**

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

**LIQUID PARAFFIN**COLOURLESS, TASTELESS, ODOURLESS.  
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES

*Wholesale Trade only.***STERNS LTD.**

Royal London House, Finsbury Sq., London, England

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THE PERFECTION OF PETROLEUM JELLY  
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**OLEUM DEELINÆ (DEE OIL)**  
**THE UNFAILING CURE FOR ECZEMA.**

*Bleached  
White  
B.P.*

**BEE SWAX**

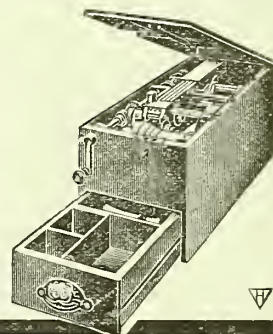
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Yellow  
B.P.*

**POTH, HILLE & CO., LTD.**

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**PARAFFINUM  
LIQUIDUM B.P.**All Specific Gravities Guaranteed  
to remain bright at 0°C**B.P. WHITE & YELLOW  
PETROLEUM JELLIES****WHITE & HALF  
WHITE OILS****W.B.DICK  
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ENVELOPES FOR SHAMPOO POWDERS.  
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LONDON, W.C.1****PROSPERITY IN  
1931**demands a perfect Cash  
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Gledhill British made Till  
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an infallible check on every  
cash transaction for the  
next 30 years.Particulars, Catalogue and  
Terms from—**G. H. GLEDHILL & SONS, LTD.**  
16 Trinity Works, HALIFAX, Eng.**FREE!**The latest and best methods  
of cleaning all Bottles and  
Jars is fully explained in this  
new book. Essential to all  
manufacturers who conscientiously seek**SCIENTIFICALLY  
CLEAN  
BOTTLES**

FREE TO ALL EXECUTIVES

**THOMAS HILL**  
ENGINEERING CO. (HULL) LIMITEDWrite  
To-day : **9 Park Lane, Stepney, HULL**



# Liquid Paraffin B.P.

ALL GRADES  
S.G.: '865 to '895.

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WHOLESALE ONLY.



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*Specialists in Liquid Paraffin*

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**OLIVE OIL  
CREAM SUBLIME  
& B.P. QUALITIES  
OIL B.P. COTTON  
OIL B.P.C**

DISTILLED WATER in perfect condition from our own stills. Large plant providing quantities for immediate despatch to all parts

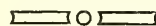
We solicit your enquiries for drysalteries generally

**FRANCIS F. FOX & CO LTD**  
BRISTOL & BIRMINGHAM.

ESTABLISHED OVER 100 YEARS

## "Print More Sell More"

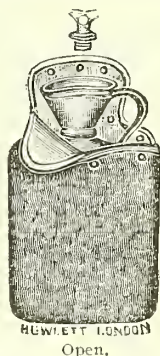
To no other field of activity does this Printer's Slogan apply with greater force than to Chemists' Printing



**CARTONS : LABELS : ENVELOPES**



Broughton Market, EDINBURGH

HEWLETT LONDON  
Open.

## THE "CHARLOTTE" (Regd.) HOT-WATER BOTTLE COVER

"Its novelty consists in the cover which encloses the stopper completely."—

*British Journal of Tuberculosis.*

"Accidents certainly happen with some frequency through the employment of uncovered bottles."—*The Lancet.*

THE ONLY SATISFACTORY HOT-WATER BOTTLE COVER ON THE MARKET.

	Best Quality. (Velour)	2nd Quality. (Plushette)		Best Quality. (Velour)	2nd Quality. (Plushette)
8×6 in.	20/3	12/- doz.	12×8 in.	25/-	16/- doz.
10×6 in.	21/6	13/- "	12×10 in.	26/-	18/9 "
10×8 in.	23/-	15/- "	To fit the moulded hot-water bottle, size 11½"×8"		
			Velour 25/- doz. Plushette 18/9 doz.		

Supplied in pink, blue, peach and grey.

MANUFACTURED ONLY BY

G. J. HEWLETT & SON, Ltd., 35/42 Charlotte St., London, E.C.2



Closed.

## "STERAID" Regd. Dressings

Patent No. in Great Britain  
221761/1924 and patented in all  
the principal foreign countries.

Patent Rotating Canister packing to retain aseptic conditions. In use, only the  
amount required is withdrawn and cut off. The remainder is not exposed.

### GAUZES.

	Minimum Public Prices Each	Minimum Trade Prices Per Doz.	
6-yd. 3-yd. 1-yd. 6-yd. 3-yd. 1-yd.			
Sal Alembroth	2/3	1/3½	-8½
Sublimate			20/3
Carbolic			11/6
Boric			6/4

	Minimum Public Prices Each	Minimum Trade Prices. Per Doz.	
6-yd. 3-yd. 1-yd. 6-yd. 3-yd. 1-yd.			
Plain Absorbent	2/-	1/2	-8
Double Cyanide	2/6	1/5	-9
Picric			
Iodoform	3/-	1/8	-10
			27/- 15/- 7/6

### LINTS. PLAIN and BORIC.

	Min. Public Prices	Min. Trade Prices
2in. wide	1/3 each	11/3 doz.
4 "	1/9 "	15/9 "
6 "	2/3 "	20/3 "
Anrox. 6 yds. Plain and 4 yds. Boric		

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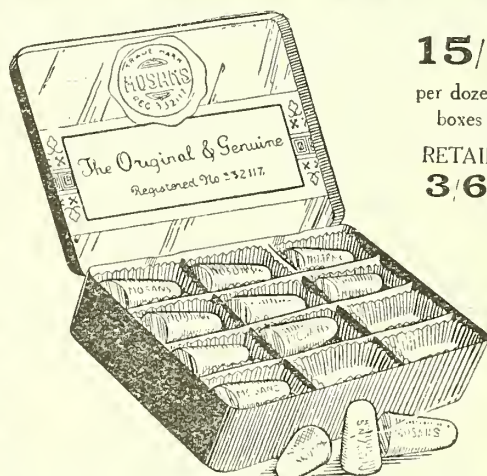
ROBERT BAILEY & SON LTD., Marriott Street Mills, STOCKPORT

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Wires: "Undisputed, Stockport."

## "MOSANS" Non-Greasy, Odourless QUININE PESSARIES



15/-  
per dozen  
boxes  
RETAIL  
3/6

ORDER THROUGH USUAL WHOLESALE.

Avoid Imitations and see the No. 332117 on each box.

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### RELIABLE ELASTIC HOSIERY

#### SEAMED & SEAMLESS

For special garments to  
measure we maintain a 24  
hour service.

:: BODY BELTS ::  
TRUSSES :: SUNDRIES

Write for Catalogue.

SURGICAL HOSIERY CO., LTD.

Russell Street :: NOTTINGHAM

Telephone No.: 75903 Telegrams: SURGICAL, NOTTM



●

# KOTEX SAYS *"Custom more important than Sale"*



THERE are two kinds of retailers—those who are merely order takers and those who are salesmen.

We all know the former. His shop is characteristic of himself. Slovenly, ill kept with old stocks on his shelves, a few dirty posters, indifferent lighting.

A thing of the past, you say? Unfortunately, no! Things are certainly better than that in most districts, but does the retailer take full advantage of his opportunities?

The "live" retailer sees to it that the goods he sells are the accepted advertised lines—and takes full advantage of the advertising under which the product thrives. He can anticipate the cash value of displaying it in his shop with attractive show material.

Take Kotex: Kotex is a specialised product. It needs delicate salesman-ship. Careful atten-

tion to the manner in which Kotex is sold will gain the approval of your lady customers and will win them over to you for other lines.

They will know that they can get their Kotex from you without fuss, without embarrassment, and will take that into consideration.

So give Kotex prominent display. It's a definite connection between the national advertising and the user. Attractive displays will bring you customers.

Then once inside, make it easy for them. Simply wrap up a few packets so that customers can step up to the counter and unobtrusively take a packet and so complete the sale without any embarrassment.

Kotex has paved the way. Co-operate and you will be the gainer. Kotex has 7,000,000 users all

over the world—there are many in your district, and many more to come.

# KOTEX LIMITED

78 SALUSBURY ROAD, LONDON  
N.W. 6.



**EASILY THE FIRST FAVOURITE WITH  
DANCERS**

1/3 tins 10/- doz.

3/- „ 24/- „

The large size contains 3 times the amount of the small.

Also supplied in Bags, economical for large "Dance" Floors.

7-lb. Bags 4/- each.

Retail @ 6/-

14-lb. Bags 8/- each

Retail @ 12/-

28-lb. Bags 15/- each

Retail @ 22/6

P.A.T.A.

**LOFTHOUSE & SALTMER, Ltd. HULL****crêpe toilet paper  
de luxe  
geisha**

Very strong,  
dainty, soluble.  
Perfectly perforated. Fits standard holder. In fine wooden cases containing 144 rolls.

Write for Sample  
Roll and Prices.

**5d per roll****h. c. stern**

12, FARRINGTON AVENUE, E.C.4

phone: central 3140

**A PROFITABLE LINE  
FOR WINDOW OR COUNTER****NORVIC**

Regd.

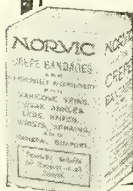
**BLUE CARTON  
CRÊPE BANDAGES**

P.A.T.A. PRICES

Cost: 12/-	21/-	3/-	31/-	4/-
Sell: 1/6	1/11	2/3	2/8	3/-

Stocked by all leading Wholesalers.

Sole Mfrs.: Grout &amp; Co. Ltd., 35 Wood St., E.C.2

**THE "SAFEGUARD"**  
BRAND OF RUBBER GOODSAre SUPPLIED to CHEMISTS & DRUGGISTS ONLY  
FINEST QUALITY. HYGIENIC PACKING

Write for Samples and Prices.

**BURGE, WARREN & RIDGLEY, LTD.**

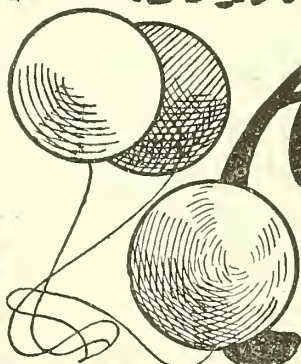
91/92 GREAT SAFFRON HILL, E.C.1

Phone: Holborn 0050. Telegrams: Pessaries, Smith, London.

**"ZUDOR" JACKET**

THE CHEST AND LUNG PROTECTOR FOR

Bronchial Troubles. Suitable for Children and Adults.  
Universally Prescribed by the Medical Profession. Sold in six sizes and packed in handsome cartons. Window display material supplied.

**CUXSON, GERRARD & CO., LTD. OLDBURY, BIRMINGHAM****Advertising  
Balloons**

A VERY EFFECTIVE  
FORM OF ADVT.  
SPECIAL DESIGNS  
SUBMITTED.

SQUEAKERS,  
DYING BOARS,  
SWANS, BIRDS,  
ELEPHANTS, &c.

WHOLESALE & EXPORT  
ENQUIRIES INVITED.

WE ARE ACTUAL MANUFACTURERS

**JOSEPH HARRIS & COMPANY**

RUBBER WORKS, BROADHEATH, ALTRINCHAM.



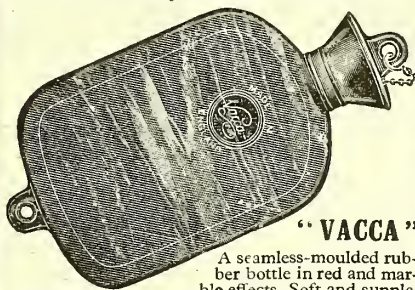
# REDUCTION OF PRICES

The new reduced prices of British made Hot Water Bottles of "P.B.C." manufacture make these bottles of even greater interest to the pharmaceutical trade. The original high quality is fully maintained.  
*Write for trade terms.*



## "BURSTPROOF"

A super hand-made bottle with patent reinforced seams. This bottle is absolutely proof against trouble of any kind. You cannot buy a better bottle.



## "VACCA"

A seamless-moulded rubber bottle in red and marble effects. Soft and supple. Smooth, hygienic finish. Very stout and serviceable.



## "SAFETY"

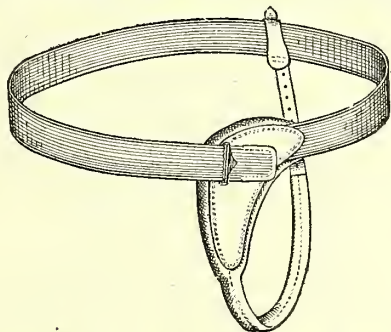
Is the best competitive value in hand-made bottles at a very reasonable price. Your trade leader in price and value.

**P. B. COW & Co., Ltd., 46-47 Cheapside, London, E.C.2.**

## The R. H. HEWARD COMPANY

WHOLESALE MAKERS.

### THE "RICHMOND" SCROTAL ELASTIC TRUSS



**SPRING & ELASTIC TRUSSES  
ABDOMINAL BELTS  
SUSPENSORY BANDAGES  
ELASTIC HOSIERY**

**CROWN ROAD WORKS, TWICKENHAM,  
ENGLAND**

Telephone: Popesgrove 2094 Telegrams: Baltruss, Twickenham

**Best sellers**  
The public is asking  
for **ZEAL**  
**CLINICAL  
THERMOMETERS**  
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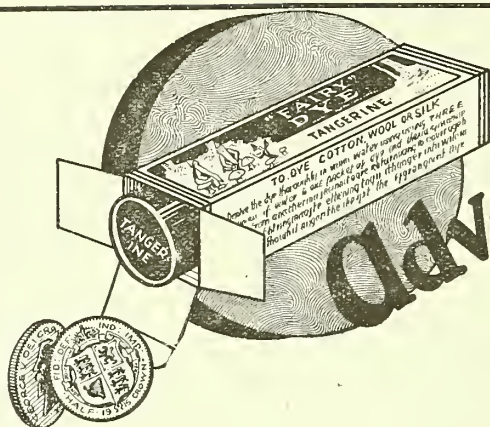
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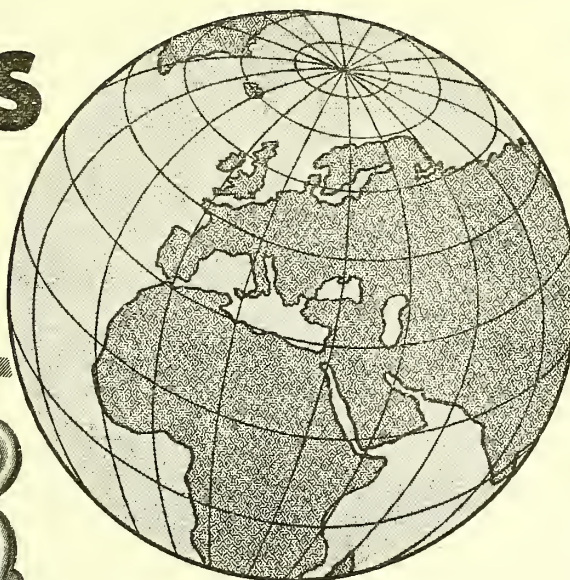
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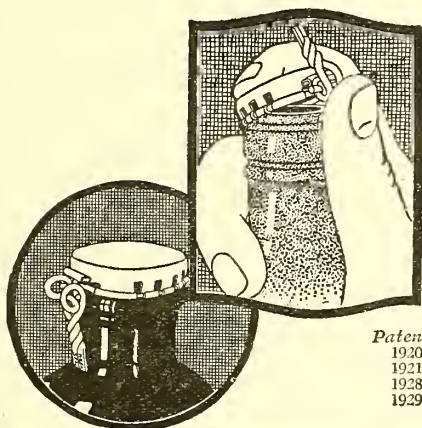


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Manufacturing Chemists  
BRIGHTON ENGLAND





# THE CHEMIST AND DRUGGIST

28 ESSEX ST.  
LONDON, W.C.2

## SUPPLEMENT

JANUARY 10, 1931

*This Supplement is inserted in every copy of The Chemist & Druggist.*

## THE CHEMIST AND DRUGGIST SUPPLEMENT

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Businesses Wanted and for Disposal, Premises to Let, Goods for Sale and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

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2.—LONDON, S.W.—General Retail and Dispensing Business, returns about £1,000; net profit last year £339; rent £65, rising to £70; house sub-let at £78; can be acquired if desired; price £650, or £250 for goodwill, plus stock and fixtures at valuation.

3.—MIDDLESEX.—General Retail and Dispensing Business, Kodak Agency, N.H.I. and small amount of Optical; returns at the rate of £2,400 per annum; gross profit 40 per cent.; double-fronted shop; stock and fixtures about £1,000; net rent £151 10s.; price £1,500.

4.—HARROW.—Good-class Retail and Dispensing Business; returns, present rate, £27 weekly, during December £35 weekly, increasing; stock and fixtures worth about £800; net rent £145 per annum; scope for increase under personal supervision; terms, value of stock and fixtures.

5.—ESSEX.—Mixed Retail and Dispensing Business, with Wine Licence; established 25 years; returns about £1,600 per annum, under management of lady; gross profit £450; good-sized house with room for garage; rent £50, rising to £60; price £1,000, or valuation terms entertained.

6.—NORTH LONDON.—Cash Drug Store, run under management of lady; returns about £26 weekly, with scope for large increase; double-fronted corner shop; net rent £52 per annum; long lease; price £700.

7.—LONDON, E.—General Retail Business; returns £40 weekly, plus 400 N.H.I. scripts monthly; double-fronted shop; stock and fixtures worth about £600; lease has 35 years to run at a rental of £35 per annum; price £1,200, or valuation terms entertained.

8.—SUSSEX HEALTH RESORT.—General Retail and Dispensing Business, with Optical connection and N.H.I. Dispensing; returns last year £3,187; gross profit £1,440; double-fronted shop, well fitted and amply stocked; accommodation comprises six rooms and bathroom; long garden; rent £200 per annum, or property may be purchased for £4,000; price required for business about £3,100, or valuation terms entertained.

9.—BRISTOL.—Good-class Dispensing and Retail Business; no N.H.I. or Photography; scope for same; returns under management of a lady about £1,300, with net profit £320 to £400; large house; price, to include property, £2,200; of this sum £1,350 is in respect of property.

10.—LIVERPOOL. (Near).—Good-class Retail and Dispensing Business; returns, under management, £2,500 per annum at good prices; good living accommodation; vendors wish to sell the freehold, and a substantial mortgage can be arranged; price of business, £1,550; stock will be reduced if so desired.

11.—LINCOLN.—Retail and Dispensing Business, with small mineral water connection; Kodak Agency; old-established; returns about £2,600 per annum; net profit about £700; stock and fixtures worth about £1,200; large house; long lease; price £1,700.

12.—HERTFORDSHIRE.—Good-class Family, Retail and Dispensing Business for Disposal; returns first year, under management, £1,325, with gross profit £450; rent £60; 13 years' lease; price £450, or valuation of stock and fixtures, plus £100 for goodwill.

13.—HAMPSHIRE.—General Retail and Dispensing Business; returns average £1,850 per annum, with gross profit about one-third; modern house; rent £100; held on lease; price £1,250.

14.—SUFFOLK.—Branch Business for Sale on account of ill-health; returns 1930, £705, increasing slowly; lock-up shop; rent and rates 35s. weekly inclusive; stock £230; fittings £140; less than £400 would be accepted.

## Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

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1.—DORSET COAST.—Light Cash Retail Dispensing and Photographic, in main central position; returns £3,255; net profit £820; books audited; good house and pharmacy; 21 years' lease granted; owner retiring; price £2,500.

2.—LIVERPOOL.—Good middle-class Business; entirely under manager; returns £2,500, with scope; modern pharmacy and house, in centre of new residential district; price, including freehold, £3,600.

3.—MIDLANDS.—Cash Retail, with N.H.I. and large Photographic connection; returns about £3,000; gross profits a third; low rent; stock and fixtures worth £1,250; price £1,500.

4.—YORKS (W. Riding).—Good-class Retail, with Kodak and Retail Agencies; returns over £1,400, under manager; scope for increase; prominent corner position in growing part of busy market town; price £900, or valuation plus £250.

5.—BOURNEMOUTH DISTRICT.—Good-class Business in fine main road position; returns £1,500, increasing; smart lock-up pharmacy, well stocked; price £850, or valuation terms.

6.—Co. DURHAM.—Good-class Retail and Dispensing, with Kodak Agency; returns £980; low rent; house attached; well-fitted shop; good stock; no immediate opposition; price £600; owner coming South.

7.—SURREY (12 miles out).—Light Cash Retail and Dispensing, with Kodak Agency; returns £1,450; good profits; rent £65; sub-let £32 by house; long lease; owner leaving the retail; price £900.

8.—LONDON, S.E.—Middle-class Light Suburban Business, returning £1,750; books properly kept; attractive modern pharmacy; main road position; good stock; price £950; personally recommended.

9.—HARROW.—Newly-established Business; entirely under manager; returns about £25 weekly; scope for increase; modern pharmacy, well fitted and stocked; price simply valuation of stock and fixtures.

10.—LONDON (Essex Suburb).—Death vacancy. Light Cash Retail, with N.H.I.; returns £23 to £25 weekly, under manager; growing district; nice house; price £650.

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**BUSINESSES FOR DISPOSAL.**

1.—LINCS. DISTRICT.—Chemist Business, situate Market Place; quarterly tenancy; low rental; returns have reached £30 per week; now average £10; good reason for disposal; double-fronted lock-up shop; no opposition; price, approximately £500. Further particulars on application.

2.—LONDON, N.7.—Old-established Optical Business, combining recently established Pharmacy, held on lease with 14 years to run at a rental of £250 p.a., of which £135 is let on lease; returns £28 per week; very large shop, dispensary and sight-testing room, situate in busy main road; no opposition for some distance. Further particulars on application. (42)

3.—MANCHESTER.—Old-established Retail Business for quick disposal; yearly tenancy; rent £150; returns for the last 40 years average over £50 weekly; at present returns are £35 weekly; nicely fitted and good stock; Wine and Spirit Licence; living accommodation. (48)

4.—LONDON, S.E.—Acid, Drug and Chemical Business for quick disposal; premises held on weekly tenancy at 14s. per week; returns average £25; stock and fixtures estimated at £500; offers invited. Full particulars on application.

5.—KENT.—Growing district; death vacancy; recently-established Retail Business for quick Disposal; lease will be granted, 7, 14 or 21 years, at £78 per annum; rates low; returns £1,100, could be considerably increased; Dentist attends at surgery at side three days a week; large double-fronted shop and room at back; excellent opportunity for young qualified Chemist-Optician; price £925, or near offer. (51)

6.—LINCS.—Established Dispensing and Retail Business for quick Disposal in important town; 17½ years' lease to run at £200 per annum; returns average £50 per week; very large shop, situate in main thoroughfare; specially recommended.

7.—BIRMINGHAM.—General Retail and Dispensing Business, situate in main busy road, for quick disposal; approximate returns £25 per week; double-fronted shop and seven-roomed house over; lease will be granted at £100 per annum; house above could be let at £78 per annum; price for lease, goodwill, fixtures and utensils £450; stock approximately £500. (49)

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## 1931 STOCKTAKING

**Early Bookings Respectfully Requested**

Correspondence is invited from prospective purchasers relative to the following businesses for disposal, initial particulars of which are as follows:

(1) **LONDON EAST.**—Established 20 years, average turnover £2,200 per annum; net profits, £630; N.H.I. (6,500 scripts per annum); living accommodation; moderate rental on long lease.

(2) **BLACKPOOL.**—Prominently situated, pharmacy for disposal owing to sudden health disability; for a quick sale the owner is prepared to accept an all-in figure of £950, which represents less than the present value of stock and fixtures; quick counter trade; average turnover exceeds £40 weekly; rent, £90 per annum on lease.

(3) **LANCASHIRE TOWN (NORTH - WEST).**—Turnover approximately £1,100; gross profits £500; good N.H.I. dispensing; living accommodation; residential district; accountant's figures available; exceptional opportunities for increase and development.

(4) **WARWICKSHIRE TOWN.**—Excellent family business doing £40 weekly; district rapidly extending; Kodak Agency; good living accommodation; ideal business for progressive man; scope for Optics; N.H.I. dispensing (350 scripts per month); rent of shop and house, £104; rates, £18; long lease; for immediate sale, price £1,000, goodwill and fixtures; Stock at valuation; owner entering other business.

(5) **YORKSHIRE—CHARMING SEASIDE RESORT.**—Drug Store; established 18 years; average turnover, £1,150; living accommodation available; inclusive rental (without living accommodation), £31; no opposition; purchase price, £700; owner retiring.

(6) **DERBYSHIRE—SMALL TOWN.**—Returns, £1,800; net profits, £500; N.H.I. dispensing; inclusive rental, £67; good living accommodation; owner retiring.

(7) **NORTH WALES.**—Branch business; average turnover for last three years, £1,100; net profits, £250; good living accommodation; purchase price to include agreed sum for goodwill; stock and fixtures at valuation (estimated at £400).

(8) **LONDON, EAST.**—Branch business undeveloped; situated in busy shopping centre; living accommodation; splendid opportunities under personal proprietorship.

(9) **LONDON, SOUTH-EAST.**—Drug Store; turnover, £15 per week; inclusive rental, £61 per annum; lease, 12 years unexpired; no qualified opposition; splendid opportunity for the establishment of a large dispensing connection (private and N.H.I.).

(10) **CORNWALL.**—Old-established; turnover exceeds £40 weekly; moderate rental on long lease; purchase price to comprise agreed sum for goodwill, plus stock and fixtures at valuation; partnership with a view to succession at a later date entertained.

(11) **LONDON, N.W.**—Old-established; approximate turnover, £1,350, with excellent scope for increase; moderate rental on lease; good living accommodation; N.H.I.; main road position; disposal on valuation basis, plus agreed sum for goodwill.

(12) **LINCOLNSHIRE.**—Average turnover, £2,800; net profits, £600; good living accommodation; low purchase figure for quick sale; which is desired owing to health reasons.

(13) **SOUTH STAFFS.**—Exceptional opportunity for young beginner to purchase an excellent little business, with sure living and excellent prospects; soundness vouched for by accountant's figures; good N.H.I., which together with private dispensing, could be considerably augmented as there are now four resident doctors in the locality; ill-health of owner sole reason for disposing; total purchase price, approximately £300.

(14) **COASTAL TOWN—SOUTH-WEST.**—Turnover, £1,700; net profits, £400; inclusive rental, £90; purchase price, £925; situated in good-class residential area.

(15) **YORKSHIRE—WEST RIDING.**—Average turnover, £1,200; N.H.I. (approximately 2,100 scripts per annum); rent, £54 on lease; good percentage net profits; purchase price, £650.

(16) **LONDON, EAST.**—Present returns, £1,900; and increasing, good dispensing connection; including N.H.I.; rent, £35 on long lease; purchase price, £1,200.

(17) **LONDON, S.W.**—High-class family and dispensing business; turnover (increasing) £1,500 per annum (approximately); moderate rental on long lease; disposal on valuation basis; plus agreed sum for goodwill.

(18) **ESSEX—NEAR LONDON.**—Recently established; main road position; turnover, £1,000, and increasing; no near opposition; good living accommodation; purchase price, £600 or near offer.

(19) **LONDON, EAST.**—Turnover, £1,550; N.H.I. (in addition) approximately 5,500 scripts per annum; rent, £65; lease, 21 years; purchase price, £650.

(20) **LONDON, EAST.**—Established 15 years; turnover, £1,800 per annum; good private and N.H.I. dispensing; rent, £45; lease, 12 years unexpired; living accommodation; excellent scope for increase; purchase figure, £1,600, including value of stock and fixtures.

(21) **LONDON, EAST.**—Old-established; average annual turnover, £1,350; N.H.I. (in addition) 6,000 scripts per annum; good living accommodation; premises well situated; quick disposal desired owing to ill-health; sale on valuation basis, plus agreed sum for goodwill.

London Representative: Mr. S. F. CLARK,  
34 Marksbury Avenue, Richmond, Surrey.  
Telephone: Richmond 2210.

## BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

**BOLTON.**—Drug Store; neglected; busy main road; nice house and shop; good living accommodation; good cellars; large yard; excellent opening for qualified Chemist and N.H.I. Dispensing; price for premises £575; ground rent £1 14s. per annum; fixtures £40; stock optional, or at valuation. Brindle, 94 Derby Street, Bolton.

**DERBYSHIRE.**—Owner retiring; valuable Business in good market town; average takings £40 per week; good house, garden, warehouses and garage; rent £50 per annum; lease; good Panel, Kodak Agency, and Optics if necessary; price £1,600. Apply 66/28, Office of this Paper.

**DERBYSHIRE.**—General Retail and Dispensing Business, with Photographic; returns, under management, about £900 last year; scope for increase; well fitted and stocked; lease up in July; will be able to renew; good reasons for selling. 68/30, Office of this Paper.

**DEVON.**—Proprietor retiring. Old-established Dispensing and Family Business; same principal over 30 years; corner premises; excellent position; good living accommodation; side and back entrance; growing district; lease or sell premises; stock £300. Apply 66/27, Office of this Paper.

**EAST KENT COAST.**—Business, Light Retail and Dispensing and Kodak Agency; living accommodation; average turnover last seven years £2,100; double-fronted corner premises; premises £1,750 and business probably £1,500 on valuation and goodwill terms; mortgage on premises can be arranged. Write, "G. H. S.," 65/5, Office of this Paper, enclosing banker's reference.

**HERTFORDSHIRE.**—Country Pharmacy, with no side lines; turnover £1,800; net profit £360 last year on a £1,500 turnover; still growing; genuine business, improving every year; price £2,100, which includes freehold land and dwelling. Full particulars to qualified applicants. 67/5, Office of this Paper.

**LEICESTERSHIRE.**—Unopposed Drug Store for Disposal at bargain figure; present returns nearly £20 per week under unqualified proprietorship; living accommodation available; low rental; property may be purchased if desired; unlimited scope for extension under qualified control; for a quick sale the owner is prepared to accept £75 for goodwill and fixtures, plus stock at valuation; early application requested. 180/418, Office of this Paper.

**LONDON, S.W.**—Good going General and Dispensing Business; improving weekly; good "own" Prescribing; N.H.I. 300 per month; beautiful double-fronted arcade windows; main thoroughfare; great scope for Optics, just started, doing well; well-fitted, up-to-date optical room; shop well fitted and stocked (no bad stock); long lease; living accommodation above if required; Kodak Agency (good); good reason for disposal; takings, £1,750 (increasing); price about £900. 66/33, Office of this Paper.

**MANCHESTER.**—General Retail; good Dispensing; specialities; main road; industrial district; good living accommodation; moderate rent; lease, or property could be bought on mortgage; suit young, energetic Chemist; genuine buyers. Apply 69/36, Office of this Paper.

**NEAR Liverpool.**—Business; double-fronted shop; main road; N accountants' figures; returns, cash £1,500 year; N.H.I. 500 per month; price £650. 70/4, Office of this Paper.

**NORTH LONDON.**—Family Retail and Dispensing Business for Disposal, showing a net profit of over £800 per annum; price £2,650; further details on application; principals only; no agents. 180/422, Office of this Paper.

**NORTH LONDON (10 Miles Out).**—Populous and growing district; main road; double-fronted Shop, with good living accommodation; modern fittings; N.H.I. 3,000 per annum; takings £30; rent £100 per annum; ill-health cause of sale; price, £1,200. Includes stock and fixtures, value about £500. Apply 181/423, Office of this Paper.

**NORTHUMBERLAND.**—Thoroughly sound Business for Sale at low purchase figure; owner taking up business appointment elsewhere, otherwise would not consider disposing; present returns £23 per week and increasing steadily; N.H.I. Dispensing; Kodak Agency; no wine licence at present; up-to-date living accommodation; situated in good-class residential district rapidly developing; low purchase price for quick sale; owner would consider management with a view to ultimate succession; splendid opportunity for "live," energetic pharmacist. 180/420, Office of this Paper.

**WEST RIDING, YORKS.**—Entirely unopposed; rent £76, including double-fronted shop and good house; turnover £2,400; N.H.I. 9,000 annually; over 20 years under management; price £2,000; exceptional chance; principals only. 67/36, Office of this Paper.

**BRANCH Business for Sale** in busy holiday area in Blackpool; near centre; sole reason for disposal, ill-health; no reasonable offer refused; good living for energetic man; valuation stock and fixtures and very small goodwill suggested. Apply Coope, 201 Waterloo Road, Blackpool.



**B**USINESS for Sale in main thoroughfare of best suburb in Manchester; shop extremely well fitted; only persons genuinely interested need apply; there is a small Optical connection capable of great expansion. 66/18, Office of this Paper.

**C**HEMIST'S Business for Sale in Dumbarton; excellent situation in main thoroughfare; average N.H.I. 200 per month; rent £55; stock and fittings at valuation. Apply J. Wilson Crawford, C.A., 17 High Street, Dumbarton.

**D**RUG Store, Lewisham, S.E., main road, in a busy part; well-fitted shop, with good accommodation of four rooms, kitchen, etc.; long lease at moderate rent; price £350, all at a bargain. Stocker & Roberts, 3 Railway Approach, Lewisham, S.E. (Lee Green 1115.)

**D**RUG STORE.—12 miles S.W. London; main road; excellent position among multiple shops; good house; part let at 18s. weekly; long lease; takings £10 weekly; splendid opportunity for M.P.S.; rent £75 per annum; price £450, or near offer. 68/33, Office of this Paper.

**F**OR disposal, Pharmacy, recently opened on new L.C.C. Estate, Barnes; good scope; no opposition; fixtures and stock at valuation; no premium. Apply 67/25, Office of this Paper.

**G**ENUINE Business (Inland).—Situated in charming country town; available owing to health disability of proprietor; beautiful surroundings; old-established; present returns approximately £35 per week, although partially neglected; net profits average £7 10s. weekly; premises may be purchased or lease arranged at moderate rental; good living accommodation; reasonable purchase price for quick sale. 180/419, Office of this Paper.

**G**OOD-CLASS Business in rapidly growing district within 18 miles of Bournemouth; well fitted and stocked; takings last three years show progressive increase; accountant's figures available; for quick disposal £300—less than one year's goodwill—would be accepted; stock, etc., at value; freehold or lease, with option; particulars at interview after receipt of banker's references; no triflers, please. 69/26, Office of this Paper.

**P**HARMACY.—For Sale, old-established Business owning one well-equipped shop, with house over, can be obtained for about £800, situated in rapidly growing district near Eltham, South London. Apply first, Hay, 28 West Park, Mottingham, S.E.9.

**W**ELL-STOCKED and nicely fitted Pharmacy; main road; trams and buses pass the door; populated S.E. district; turnover £1,600, under management; could be greatly increased under personal supervision; good profits; rent £80; sub-let upper premises; good N.H.I.; price £850. 67/17, Office of this Paper.

**W**HOLESALE.—Old-established Medical Glass Bottle and Chemists' Sundries; owner retiring; any reasonable offer accepted. P.C.B. 18/54, Office of this Paper.

**£90.**—HERBAL and Drug Business; main road position; no opposition; splendid chance for practical man; Coast town, near London; neatly fitted; electric light; lock-up; low expenses; good reasons for disposal. 68/9, Office of this Paper.

**£250** secures good Chemist's Business; central position; main street country market town; full Wine Licence; net profit £140; 30 miles London. "W.X.Y.," 69/13, Office of this Paper.

**£275.**—CHEMIST'S double-fronted corner shop, with rooms above, facing busy station; rent £50 per annum; lease about 19 years; excellent fixtures and fittings; thickly populated; bargain for quick sale, £275 (worth £500); must be sold. Apply Wakefield & Kerrison, Auctioneers, 76 Leytonstone Road, London, E.15.

## BUSINESSES WANTED.

**B**ERDOE & FISH are in urgent need of sound Businesses in all parts; cash buyers with capital up to £5,000 waiting to take immediate possession; correspondence from intending vendors cordially invited; quick sales negotiated privately; Transfer Offices, 41 Argyle Square, King's Cross, W.C.1. Phone Terminus 3574.

**C**HEMIST wishes to purchase a good-class Business, with turnover of £3,000 to £6,000, situated in or near London. Particulars (in confidence) to 68/6, Office of this Paper.

**Y**ORKSHIRE (preferably Leeds or near).—Sound Chemist's Business wanted by private pharmacist with ample cash; business must be profitable concern, well established, and able to stand strict investigation, or would consider management with view to early succession. Full particulars (in confidence) to 61/27, Office of this Paper.

**W**ANTED, a Business in London or South-East England; returns £3,000 and upwards, or a smaller business showing early prospects of expansion would be considered; spot cash available. Replies treated with strict confidence. P.C.B. 20/6, Office of this Paper.

**W**ANTED, small country town or village Business; modest returns only looked for; mixed, or otherwise, immaterial; advertiser, a qualified Chemist, has no objection to unqualified Store; short hours; Midlands preferred. "Sapiens," 69/30, Office of this Paper.

## SALE BY AUCTION.

Owing to Expiry of Lease.  
Removed from High Street, Kensington.  
**SALE ROOMS, 5 LITTLE BRITAIN** (close to G.P.O.), LONDON, E.C.

**T**HE well-made CHEMISTS' SHOPFITTINGS, including 10 ft. Drug Run, two Dispensing Screens, Perfumery Desk, Cash Desk with showcase front, 10 mirror-lined and other Wall Showcases, Plate-glass Counters, Centre and Counter Showcases, Mirrors, Display Stands, Glass Shelves, Cash Tills, Office and Household Furniture.

**B. NORMAN & SON**

will Sell by Auction at their Sale Rooms, as above,  
Wednesday, January 21, at One o'clock.  
On View day prior. Catalogues on application.

## TENDERS INVITED.

**T**HE Director-General, India Store Department, Belvedere Road, Lambeth, London, S.E.1, invites Tenders for:—

Schedule 1.—14,000 lbs. Acidum Carboicum, B.P.  
(Sample required with tender.)

Schedule 2.—Bismuthi Subnitras Carbonas, etc., B.P.

Schedule 3.—Chloroform, B.P.

Schedule 4.—Essential Oils.

Schedule 5.—Hydrargyrum, B.P., Hydrargyri Subchloridum, etc.

Schedule 6.—Iodum and Iodoformum, B.P.

Schedule 7.—73,430 lbs. Lint. (Samples required with tender.)

Schedule 8.—Potassii Citras, etc., B.P.

Schedule 9.—Santoninum, B.P.

Schedule 10.—Sodii Salicylas, etc., B.P.

Tenders for all schedules due 27th January, 1931.  
Forms of tender available from the above at a fee (which will not be returned) of 5s. for each Schedule.

## APPOINTMENTS.

**WALSALL EDUCATION COMMITTEE.**  
**APPOINTMENT OF A WOMAN CLERK-DISPENSER.**

**T**HE Education Committee invite applications for the post of Woman Clerk-Dispenser. The duties are mainly clerical and are in connection with the medical inspection and treatment of school children. Applicants, therefore, must have had good experience of clerical work, and must be efficient shorthand-typists. They must also hold the Hall Certificate. The salary will be £150 a year, rising by £5 on approved service to £175 a year. The successful candidate will be required to contribute to the Superannuation Fund established by the Town Council under the Local Government and Other Officers' Superannuation Act, 1922, and to pass a medical examination by the Council's Medical Officer. Form of application will be forwarded on receipt of a stamped addressed foolscap envelope. Applications, accompanied by copies of not more than three recent testimonials, must be received by the undersigned not later than Thursday, the 22nd January, 1931.

Canvassing, directly or indirectly, any member of the Education Committee will be a disqualification.

V. J. MOORE,

Director of Education.

Education Offices,  
Council House,  
Walsall.  
5th January, 1931.

## AGENCIES.

**C**OMMISSION Agent, calling on Chemists, wanted to represent high-class Safety Razor Blades; good commission. Apply, by letter, stating full particulars, references, etc., Kirby Beard & Co., Ltd., Ravenhurst Works, Birmingham.

**G**ENTLEMAN, with good connections amongst the Wholesale and Manufacturing Chemists, also the larger Confectioners, is willing to undertake the selling of suitable lines: London office, Replies to "B. W. F.," 180/417, Office of this Paper.



### FOR SALE Shop, Churchill Rd., North Cheam Grand Opening for Smart Chemist and Druggist.

Thousands of new houses occupied all around property. Comprises shop, five good rooms, bathroom, kitchen, etc., price £1,400 freehold; possession £100 down, balance as rent; shop front fitted. Apply—

**GEO. T. EASTMAN, THE PARADE, EPSOM**  
Phone: Epsom 9082.

### PREMISES TO LET.

**ACTON.**—Lock-up shop in busy shopping centre; unique opportunity for small Drug Store or Branch Shop; only £80 per annum ex.; flat available if desired. Eydmanns, 4 Western Avenue, East Acton, W.3. Shepherds Bush 3702.

**RENT FREE TO HALF-QUARTER DAY.**—A really genuine opportunity for good Business without competition in important thoroughfare, South Croydon; excellent lock-up shop; rent £85 per annum, rising after 3 years to £100 (exclusive). Write for further details to A. M. Cawthorne, Architect, 54 Victoria Street, S.W.1. Phone: 0062 Victoria.

### PARTNERSHIPS.

**WHOLESALE.**—F.I.C., Ph.C., wishes to acquire an interest in a Wholesale Drug or Allied House; offers exceptional practical experience in manufacturing, packing, and general management, and would take up a share holding of substantial value in return for active Directorship. Replies treated confidentially. P.C.B. 20/5, Office of this Paper.

### SITUATIONS OPEN.

#### RETAIL (HOME).

**LONDON, N.W.**—Wanted, a smart, young, qualified male Assistant for Private and N.H.I. Dispensing, Counter and Window-dressing. Full particulars of age, experience, and salary required to 67/34, Office of this Paper.

**LONDON, W.**—Qualified Assistant required for high-class Dispensing business; must be good and neat worker and capable Counterman. State age, height, salary required, particulars of previous experience; photograph if possible, which will be returned. P.C.B. 20/4, Office of this Paper.

**LONDON, S.E.**—Wanted, about middle of February, a qualified Senior Assistant; must have had first-class Counter and Dispensing experience; also Junior Assistant for Dispensing and Counter. Apply, stating full particulars, age, height, experience, salary required, to 68/7, Office of this Paper.

**LONDON, N.W.2.**—Unqualified Assistant required immediately; must be good Window-dresser, Counterman and Dispenser; state age, experience and salary required. M. Taylor, M.P.S., 4 Gladstone Parade, Edgware Road, Cricklewood, N.W.2.

**LONDON, S.E.**—Smart Junior; keen Stock-keeper, able to assist Counter, Windows, Dispensing. Full particulars, photo, salary. P.C.B. 20/11, Office of this Paper.

**A COMPETENT**, experienced Assistant, age 27-30, required for middle and working-class Business near Liverpool; must be well recommended for his ability as Dispenser, Counterman, Window-dresser and trustworthiness; permanency for suitable man. State experience, age, height, salary required, etc., to 69/17, Office of this Paper.

**A QUALIFIED**, experienced Assistant for West-End Dispensing Pharmacy; must have had thorough training in Dispensing and general pharmacy routine; references must bear strictest investigation. Detailed particulars to "W. E. M. C.," Frank A. Rogers, 1 Beaumont Street, W.1.

**ASSISTANT**, unqualified, wanted; smart, good Salesman and Window-dresser; Family Retail and Dispensing business, country town, Midlands. Apply, stating age, full details of experience and salary required, 66/39, Office of this Paper.

**CHEMIST** required, S.W. London; experienced, good all-round, quick and accurate Dispenser; capable of taking charge; working and middle-class business. Please give full particulars first letter, stating age, height, salary desired, etc. 68/360, Office of this Paper.

**COLLIERY VILLAGE IN MIDLANDS.**—Vacancy occurs for qualified Manager or Manageress; single-handed; usual light Retail business; easy hours; comfortable herth free from worry; nice country in vicinity. State full particulars to Scragg, Chemist, Swadlincote.

**ENERGETIC**, qualified Manager or Senior will be required in March for high-class East Anglian Chemist's business; one with Optical qualification (J.C.Q.O.) preferred. Apply, with full particulars, age, experience, salary required, etc., giving references, 67/22, Office of this Paper.

**JUNIOR (male)** required; must be courteous, capable and willing; some seaside experience essential. State age, experience and salary required, to Blacklock & Co., The Square, Bournemouth.

**LADY Assistant** required in good-class London suburb; capable Window-dresser and Counter hand; references and salary required. 67/18, Office of this Paper.

**MR. R. WOOLBY BROOKE** has a vacancy for a keen pupil, one who has passed Part I of the Qualifying examinations; small premium required; salary given; exchange correspondence for appointment. 19 Gloucester Road, S.W.7.

**PERMANENT.**—Capable Assistant for high-class Retail and Dispensing business; must be well recommended and of good appearance and address. Please give full particulars in first letter of age, experience, height and salary, with photo. 67/28, Office of this Paper.

**QUALIFIED Assistant** wanted; permanency. Please state age, height, and experience (photo if possible). V. J. Wools, Ltd., 214 Northdown Road, Margate.

**QUALIFIED Assistant Manager** for new good middle-class business; smart and active; good Window-dresser and Counterman. State age and height, if married, and salary required. Apply, with references and photo, Banner's, Ltd., 266 Smithdown Lane, Liverpool.

**REQUIRED**, shortly, for Light Retail and Dispensing business, South Coast, a qualified married Assistant, 25-35, to live on premises (unfurnished rooms provided). Usual particulars and photo to E. W. Shipman, 66 High Street, Hastings, Sussex.

**REQUIRED** at once, Junior Assistant for first-class business; good Window-dresser, Counterman and well up in Dispensing. Apply, stating salary, to F. C. Reynolds, 2 Bank Buildings, Stanmore, Middlesex.

**REQUIRED** shortly, a young qualified lady for Dispensing and Counter duties. Full particulars of age, experience, references, wage, etc., to E. J. Blaker, Ltd., High Street, Haslemere, Surrey.

**SURGICAL Instrument Business** in the North; competent Assistant, used to attending to doctors. Address, stating other duties accustomed to (good character indispensable), 70/24, Office of this Paper.

**UNQUALIFIED Assistant** wanted; must be experienced, accurate and quick Dispenser, good Window-dresser. Write full particulars of experience and state age, height, salary required and when at liberty. 68/36, Office of this Paper.

**UNQUALIFIED Junior Assistant or Improver** wanted; must have had good Dispensing experience. Apply with full particulars, age, salary expected, etc., to McHardy & Ratcliffe, Chemists, North Wembley.

**UNQUALIFIED (lady Assistant)** for Branch (North London); N.H.I. Dispensing, Counter, Window-dresser. Apply, with full particulars as to salary, experience, etc., Bewells', Ltd., 19/21 Pitfield Street, N.1.

**WANTED**, immediately, qualified Chemist to manage branch; lock-up shop; working-class district; assistant employed. Apply (by letter), stating age, experience, terms, etc. (approximately £5 per week), to Secretary, Denaby Main Industrial Co-operative Society, Ltd., Denaby Main, near Rotherham.

**YOUNG**, qualified Managing Assistant wanted in pleasant West Country town, near large town; comfortable indoor herth. Apply Box No. 52510, Wright, Layman & Umney, Ltd., 46 Southwark Street, S.E.1.

### WHOLESALE.

**REPRESENTATIVE** required, Glasgow and district; growing Chemist connection; Packed Goods, Bulk Ointments and Specialised Drugs; commission basis. 69/4, Office of this Paper.

**REPRESENTATIVES (part time)** wanted by an old-established firm of manufacturers of a world-known Anæsthetic of British make; must have good clientele amongst Medical Men and Hospitals. Send full particulars, stating district and terms, to 66/40, Office of this Paper.

**REPRESENTATIVES** required for the following territories: West Midlands and Wales; Scotland and Northern Ireland; Lancashire, Yorkshire and Northern Counties, to represent a well-known Perfumery House on a straight commission basis, with good prospects. Address 66/15, Office of this Paper.

**REPRESENTATIVES (commission)** for attractive ready-selling Sundry; small, easy samples; appeals readily; repeats steadily with Stores, Chemists and Drug Stores; many men doing excellent extra turnover. Apply, with particulars of ground covered, etc., 180/416, Office of this Paper.

**SHORTHAND-TYPIST** required for City Wholesale Druggists; previous experience essential. Apply by letter, giving full particulars and salary required, to 181/424, Office of this Paper.

**SIDE line** offered Traveller with good connection Chemists; liberal commission. Carr & Co., 575 Chester Road, Manchester.



**TRAVELLER**, already calling upon London Retail Chemists, to represent Northern firm of Printers specialising in Labels, Stationery, Advertising Matter, Wrapping Papers, etc., for Retail Chemists; must have established connection in London with non-competitive line; small monthly retaining fee and commission 69/3, Office of this Paper.

**WANTED**, by Manufacturing Chemists in N.W. London, Wet Counter Assistant; one with some Dry Counter experience preferred. Apply by letter, giving full particulars, age, experience, wages, etc., 180/415, Office of this Paper.

**WANTED**, one Representative for London district, also one Representative for East Midland and Eastern Counties; well-known Packed Goods House; salary, commission and expenses. Give full particulars, references, etc. 180/421, Office of this Paper.

**WAREHOUSEMAN** required who has had a thorough experience in Toilet Preparations. Apply, stating age, experience, and salary required, to 180/414, Office of this Paper.

## SITUATIONS WANTED.

### (RETAIL HOME.)

**A.A.A.A.A.A.**—**QUALIFIED** Scot, with high-class Dispensing experience in Scotland, Locum work North England, and experience in South England in heavy N.H.I., Manufacturing, Display and Counter work, desires change to position as Manager or Assistant with prospects of advancement; highest references. 70/14, Office of this Paper.

**A.A.A.A.**—**JUNIOR**; Cumberland and Lancashire districts preferred; 4 months' London experience; 20; tall; Part I; accustomed 3,000 panel month; accurate Dispenser, capable Salesman and display artist. 70/2, Office of this Paper.

**A.A.A.**—**YOUNG**, qualified, 6 ft., Dispensing, Counter, Photography, desires position as Assistant or Branch Manager. Birks, 68 Melrose Avenue, Wimbledon Park.

**A.A.A.**—**QUALIFIED**, 28, excellent all-round Retail experience, desires situation as Manager or Assistant; Locum or permanent; free now. "Pharmacist," 15 Morpeth Avenue, Harton, South Shields.

**A.A.A.**—**QUALIFIED** Manager, experienced, finest references, taking conscientious interest in business he controls, desires berth; London. 69/39, Office of this Paper.

**A.A.**—**ADVERTISER**, 34, unqualified, student, desires week-end duty; all day Saturdays, evenings Sundays; excellent experience all branches. Douglas, "Ingleside," Bullmoor Lane, Waltham Cross, London, N.

**A.A.**—**EXPERIENCED** Assistant or Locum; Dispensing, Counter, Windows, Prescribing, Photography; trustworthy; unregistered. Harries, 11 Trigon Road, S.W.8.

**A.A.**—**ENERGETIC** Assistant; unqualified; 25; 9 years' good-class experience, Dispensing, Counter, Photography (including D. & P.); London preferred. 69/34, Office of this Paper.

**A**—**CAPABLE**, qualified young man; 25; West-End and London experience; competent Salesman, Dispenser; managerial experience; any responsibility; excellent references. 27 Warwick Road, S.W.5.

**A**—**QUALIFIED** Chemist, M.P.S., 26, requires post as Manager or Senior Assistant, preferably on South Coast; competent Dispenser, keen Salesman, with good knowledge of Photography; City and suburban experience; at present manager in London. Full particulars as to salary, etc. 58/38, Office of this Paper.

**A**—**QUALIFIED** Chemist, 31, single, requires permanency as Manager or Senior with inducement to settle; London or South England preferred; excellent references. Apply "M.P.S.," c/o W. Stacey, Esq., 25 New Cut, London, S.E.1.

**A**—**QUALIFIED** Chemist, 23, requires post; good experience; excellent references; free end of January. 67/30, Office of this Paper.

**A**—**QUALIFIED** Chemist, 29, as Manager; keen, competent and energetic; 12 years' London and Provincial experience; well versed in all departments of pharmacy, including Photography and Toilets. "Veramon," Cranleigh, 58 Oakfield Road, Stroud Green, London, N.4.

**A**—**QUALIFIED** lady desires situation in Pharmacy, Hospital or Institution; good all-round experience in Retail Pharmacy. 70/26, Office of this Paper.

**A**—**REALLY** competent man, F.B.O.A., M.P.S., J.C.Q.O., as Manager; successful record as business builder; good Salesman and Window-dresser. 70/13, Office of this Paper.

**A**—**THOROUGHLY** competent, unqualified Assistant; disengaged; quick Counter and Dispensing; general help all round; elderly, active, smart, with good recent references. "Fairweather," 286 Kingsland Road, E.8.

**A**—**8** experienced General Assistant, Senior, Manager; Counter, Stock, Books, Buyer, Prescriber, Salesman. "Dispenser," 130 Scott-Ellis Gardens, N.W.8.

**A**—**S** Locum or temporary position; part time entertained; qualified; 32; experienced Manager and Assistant; excellent references. "Chemist," 50 Grove Lane, Camberwell, S.E.5. Tel.: Rodney 4449.

**A**—**S** Manager; M.P.S., J.C.Q.O.; experienced all branches; London or suburbs; excellent references. Sinclair, 18a The Broadwalk, Golders Green, N.W.11.

**A**—**SSISTANT**; West-End experience; good references; Counter and Dispensing; recently disengaged; Locum or permanency. Write to M. A. Birch, 69 The Lawn, Shepherd's Bush, W.12.

**A**—**SSISTANT** or Manager; unqualified; West-End and good general experience; Window-dresser, Dispensing, Photography; excellent references; London or Metroland. 65/11, Office of this Paper.

**A**—**SSISTANT**; 26; disengaged; good Dispensing and Counter experience; well recommended. G. Ramdin, 41 Westcroft Square, London, W.6.

**A**—**SSISTANT**; unqualified; experienced; accurate Dispenser; temporary or permanent; London only. "Radix," 72 Tremadoc Road, Clapham, S.W.4.

**A**—**SSISTANT**; unqualified; 23; Dispensing, Counter, Window-dressing, Photo; excellent references; disengaged. D. McCarthy, 31 Woodfield Road, Paddington, W.9.

**A**—**SSISTANT**; unqualified; disengaged; 36; married; 6 years' own business; thoroughly competent, including Photography; West-End and local experience; distance immaterial. "G. O. S.," 27 Tressillian Road, Brockley, S.E.4.

**A**—**SSISTANT**; unqualified; lady; 8 years' first-class experience, Dispensing, Photography, Counter; excellent references. "Chemist," 35 Tudor Avenue, Chelmsford, Essex.

**A**—**SSISTANT**; unqualified; 38; married; tall; excellent references; all-round experience; well up Counter, Prescribing and Agriculture; 10 years present position. Cook, Fairfield Road, Blandford, Dorset.

**A**—**SSISTANT**, 27, desires change; unqualified; trustworthy and competent; excellent references. "Phenacetin," 67/31, Office of this Paper.

**A**—**SSISTANT**; age 23; Dispensing, Photography, Window-dressing; knowledge of Optics; has been left in charge. Linington, 88 Loftus Road, W.12.

**A**—**SSISTANT**, unqualified, disengaged, 23, 7 years' experience, requires post; London preferred; tall and good appearance. K. Barley, 96 Honey Hill Road, Bedford.

**A**—**SSISTANT**; unqualified; single; first-class general all-round experience; disengaged; London only. Jones, 8 Kingswood Avenue, Queen's Park, Kilburn, N.W.

**A**—**SSISTANT**, 22 (Part I); tall; City, seaside experience; accurate Dispenser; excellent references. K. Gilbert, 34 Seafield Road, Blackpool.

**A**—**SSISTANT**; quick, accurate and neat Dispenser; all-round experience; last position 7½ years, West End; can produce excellent references. "Statim," 134 Leander Road, Brixton Hill, S.W.2.

**A**—**SSISTANT** or Manager; qualified; 23; 5 years' general experience, Counter and Dispensing; capable Prescriber; London district preferred. 68/11, Office of this Paper.

**A**—**SSISTANT**; 23; unqualified; 8 years' experience; Salesman, Photographic and some Optics, good Dispenser; free one week; anywhere. Grove, 137 Kingsley Road, Hounslow, Middx.

**A**—**T** **LIBERTY**.—Smart qualified man; married; passed part S.M.C.; Assistant, Manager; permanency or Locum; West Riding preferred. 69/33, Office of this Paper.

**B**—**OURNEMOUTH** (district).—Assistant; 23; unqualified; tall; smart; accurate Dispenser, experienced in Counter work, Window-dressing, Photography; excellent references covering 7 years. Popplewell, 51 Woodside Road, Bournemouth. Phone: Southbourne 1048.

**B**—**RANCH** Manager; qualified; 34; married; keen; energetic; conscientious; experienced; Photo, Optics; disengaged. "Rudibus," 4 Richmond Gardens, Highfield, Southampton.

**C**—**OMPETENT** man, West-End experience, requires part-time or evening duty. "J. O.," 51 East Avenue, Hayes, Middlesex.

**D**—**ISPENSER**, lady, 25 (Hall qualification), 7 years' all-round experience, knowledge of typing, requires post. Institution, Chemist or Private Practice; excellent references. "K.," 42 Springfield Road, King's Heath, Birmingham.

**D**—**ISPENSER** (lady) desires position; thoroughly experienced, competent and reliable. 66/4, Office of this Paper.

**D**—**ISPENSING** and Counter; unqualified; age 22 years; good experience and references; disengaged; tall. M. A. Brown, St. Ives, High Street, Wivenhoe, Essex.

**D**—**RUG** Stores Manager or Chemist's Assistant; mature varied experience; last two positions 8 years; could build profitable Herbal business; moderate salary, commission; disengaged; unqualified. Palchen, London Road, Patcham, Sussex.

**E**—**XPERIENCED** Assistant; elderly; smart; active; well recommended; by hour, day, week, as you require; free now. "Fairweather," 286 Kingsland Road, E.8.



**EXPERIENCED**, unqualified, but competent; tall; Scot; many years' first-class Dispensing, Counter, Photo, seaside, country, London; quick, clean, accurate; disengaged shortly; permanency desired. Johnstone, 27 Colegate, Norwich.

**FEW** hours day or week; any district; qualified; reliable Dispenser; small remuneration. 68/28, Office of this Paper.

**FREE** any time; Assistant; Counter, Private and heavy N.H.I. Dispensing. Recommended by Brodribb, 344 Mare Street, Hackney, E.8. (Amhurst 4394.)

**FRENCH** Pharmacist, young, requires situation in England; speaks a little English. Particulars, c/o W. R. Jackson, 6 Eccleston Street, S.W.1.

**IMPROVER**, commencing Part II October, desires post until then; tall; energetic. M. Gibson, 36 Grantham Road, Stockwell, S.W.9.

**JUNIOR** (male), age 20, energetic, seeks immediate post; quick Counter, Dispensing, and Windows. "Zingib," 85 Falmouth Road, Southwark, S.E.1.

**LADY**, 25, M.P.S., Scot, tall, good appearance, desires change; Scotland preferred; Manageress or Assistant; free one month. Apply 66/25, Office of this Paper.

**LADY** Dispenser-Book-keeper (Hall qualification), 11 years' experience Medical Practice, desires post, Doctor or Chemist; North Midlands preferred. 67/33, Office of this Paper.

**LADY**, qualified, 26, requires position; good London and country experience; Private Dispensing, N.H.I., Counter, etc.; S.W. London or Surrey preferred. 67/20, Office of this Paper.

**LADY** Dispenser (Hall Certificate), Book-keeping, Bacteriology, Typing, 5 years' experience, desires post; age 24. P.C.B. 19/36, Office of this Paper.

**LADY** Assistant (Hall certificate); 12 years' experience Dispensing and Retail; disengaged. 96 Benhill Avenue, Sutton, Surrey.

**LADY** Assistant; unqualified (24); nine years' experience; Counter, Dispensing, Photography; Midland district preferred. Howell, 29 Henley Street, Stratford-on-Avon.

**LADY** M.P.S., 21, desires post; energetic, willing, and of good appearance. Miss Howes, Blairgarry, Highfield, Oxford.

**LOCUM**; qualified; registered R.P.U.; long or short period; long experience all branches; active; excellent references; terms moderate. "S. C. J.," 54 Priory Road, West Hampstead, N.W.6. Phone: Maida Vale 8212.

**LOCUM** or emergency relief; disengaged; reasonable terms; highest references; town or country. "Chemicus," 56 Rudloe Road, Balham, S.W.12.

**LOCUM**; qualified; long Managerial experience; full or part time; accommodating terms; usual references. "B.," 2 Holly Crescent, Beckenham.

**LOCUM** or permanency; middle-age; unqualified; experienced Dispenser; any distance; very moderate salary; manage drug stores. "T.," 50 Gladstone Street, Battersea, S.W.

**LONDON ONLY**—M.P.S., F.S.M.C. (passed Supplemental Examination), 23, desires position in good-class Chemist-Optician business. Apply 68/16, Office of this Paper.

**LONDON**—Qualified Manager; long experience; elderly; active; good testimonials; abstainer. Thomas, 37 Downs Road, Clapton, E.5. Phone: Clissold 9324.

**MANAGER**; qualified; 29; tall; married; London-provincial experience; winner first prize Leicester window display; energetic; with six years' experience as manager. Wyse, 5 Long Lane, Blackheath, Birmingham.

**MANAGER** or Assistant; 31; M.P.S.; married; reliable and efficient worker; extensive experience; permanency required; disengaged. Priestley, 93 Church Road, Upper Norwood, S.E.19.

**MANAGER**, qualified, 35, business builder, prize window-dresser, Photographic, Prescribing and first-class Salesman, desires post of trust; town or South Coast. "Chemist," 14 Sutherland Gardens, S.W.14.

**MANAGER** requires position, London district; first-class West-End and provincial experience. P.C.B. 18/33, Office of this Paper.

**MANCHESTER DISTRICT**—Smart, capable Assistant desires position; whole or part time; Dispensing, Optics, etc.; moderate salary. 66/17, Office of this Paper.

**M.P.S.**, young, requires post as Assistant; Leeds or Cobourg Street, Leeds.

**M.P.S.**, 24, Square trained, recently qualified F.S.M.C. and Supplemental, requires situation with Chemist or Chemist-Optician as Manager or Assistant; good references. 66/3, Office of this Paper.

**M.P.S.**, referred one section F.S.M.C. and F.B.O.A., requires position with high-class Chemist or Chemist-Optician; age 24; height 6 ft.; good appearance; free January 24. "Chemist," 8 Eastern Villas Road, Southsea.

**M.P.S.**, experienced, tactful, competent, keen, sound business ability, conversant Family, Veterinary, Photo, Horticultural, wants responsible Management, with house preferred; abstainer; at liberty; married. "Chemicus," 11 Market Street, Crewkerne.

**M.P.S.**, 22½, male, single, tall, disengaged, abstainer, requires post; 6½ years' experience; accurate Dispenser, private and N.H.I.; Photography, etc.; would manage; excellent references. Fry, Drake Road, Newport, I.W.

**MR. E. W. FAIRBRASS**, M.P.S., 63 Colney Road, Dartford, is now free for position as Manager or Assistant, at home or abroad; City and provincial experience; well recommended by medical men and leading wholesale houses; interview if necessary.

**PART-TIME**, evenings or Saturdays; lady Assistant; good Counter experience, also Optical knowledge. 67/7, Office of this Paper.

**PERMANENCY** as Manager or Assistant; qualified; 28; married; 13 years' (five in own business) sound, reliable experience all branches. Thomas, 112 Clapham Road, S.W.9.

**PHARMACIST**, young, energetic, experienced, requires post; best references; free at once. 82 Clarence Road, Stony Stratford, Bucks.

**PHARMACIST**, at liberty, wishes London appointment as Manager, etc.; excellent experience in modern business methods; interview on request. "Energetic," 69/25, Office of this Paper.

**QUALIFIED**, 28, requires permanency; 13 years' excellent experience in every branch; Dispensing, Prescribing, Photography; keen Salesman and energetic. Terms, "Chemist," "Beechwood," Hungerford Road, St. Annes-on-Sea.

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